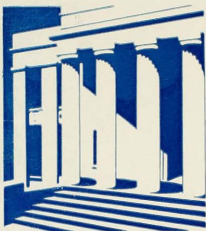
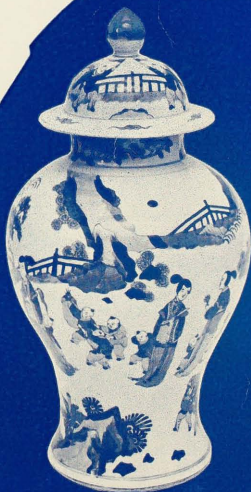


AIM Ann Report
1966 to 1967

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ANNUAL REPORT
OF THE
**AUCKLAND
INSTITUTE
AND MUSEUM**
1966-67



AIM Ann Report
1966 to 1967

Cover: a blue and white K'ang Hsi jar (Ch'ing Period), one of this year's additions to the Mackelvie Loan Collection (on exhibition in the Hall of Anthropology).

ANNUAL REPORT
OF THE
AUCKLAND INSTITUTE
AND MUSEUM

For 1966-67

For presentation at the Annual General
Meeting to be held on 26th June, 1967



AIM Ann Report 1966 to 1967

Staff of the Museum

Director	E. G. TURBOTT, M.SC., F.M.A.N.Z.
Assistant Director	A. W. B. POWELL, HON. D.SC., F.R.S.N.Z., F.M.A.N.Z.
Ethnologist	V. F. FISHER, M.A., F.M.A.N.Z.
E. Earle Vaile Archaeologist	JANET M. DAVIDSON, M.A.
Recorder (Ethnology)	EUNICE E. WARNEFORD, M.A.
Recorder (Colonial Section)	EDNA M. STEPHENSON
Hon. Numismatist	A. SUTHERLAND, F.R.N.S.N.Z.
Botanist	R. C. COOPER, B.COM., M.A., PH.D., F.M.A.N.Z.
Hon. Botanist	LUCY CRANWELL SMITH, M.A., D.SC., F.L.S., F.R.S.N.Z.
Associate Botanists	JEANNE H. GOULDING PHYLLIS H. HYNES
Entomologist	K. A. J. WISE
Marine Biologist	A. B. STEPHENSON
Recorder (Zoology)	LOIS J. WAGENER
Curator of War Relics and European Applied Arts	T. J. BAYLISS
Hon. Curator of English China	C. REGINALD FORD, F.R.I.B.A., F.R.G.S.
Librarian	ENID A. EVANS, B.A., A.L.A., F.N.Z.L.A.
Assistant Librarian	CHRISTINA O. TROUP, B.A., A.L.A., A.N.Z.L.A.
Library Assistant	PAMELA McINNES
Extension Service Officer	J. H. WADHAM, B.SC.
Planetarium Lecturer	R. A. McINTOSH, F.R.A.S., F.R.A.S.N.Z.
Assistant Planetarium Lecturer	J. B. ORR
Preparator	L. J. CAPPEL, DIP. I.A.C. (AMST.)
Art Assistant	BETTY BROOKES
Education Officer	R. A. SCOBIE, M.A., F.M.A.N.Z.
Assistant Education Officers	B. H. CADMAN, B.A. A. F. van der MEIJDEN, M.A.
Artist-Technician (Education Section)	J. B. McCAW
Secretarial	THERESE B. WILSON
Clerical Assistant	BETTY R. BLOW
Typist-Telephonists	JUDITH HOOKHAM MARGARET WOOLLOXALL
Information Service	MARGARET M. BOND DOROTHY J. BEAVIS
Supervisor	R. C. H. HENSEN
Cabinetmaker	T. BOGDALSKI
Hand (Maintenance)	R. E. WORTERS
Cleaners	JESSIE TIPENE C. STEVENS

Coffee Lounge:

J. W. SHARPE, B.E.M. (Manager), YEOLANDE BROWN, JEAN HULL.

Attendants:

H. J. DAY (Senior), R. W. ARCHER, O. BECK, H. H. BOX, A. LOCK,
K. L. MACK, B.E.M., J. F. MILLER, E. SOUTHWORTH, J. P. THOMSON

AUCKLAND
1967
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OF THE
AUCKLAND INSTITUTE
AND
MUSEUM

1966-67



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MR S. G. BROOKER, M.SC.

Vice-Presidents:

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MR J. H. ROSE, LL.B.

MR JOHN SEABROOK, A.F.C., E.D., U.S. LEGION OF MERIT

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DR. E. H. ROCHE, M.C.

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DR. H. C. HOLLAND, F.R.I.C.

MR R. B. SIBSON, E.D., M.A.

Representatives of the Auckland City Council

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MRS W. HORTON, MR A. O. GLASSE, O.B.E., M.C.,

MR W. M. TONGUE, J.P., E.D.

Representatives of Local Authorities:

MRS F. SHIEFF, MESSRS. B. C. ADAM, C. R. BACH, E.D., B.SC.,

N. BLAKE, H. E. CAMPIN, H. McK. GEDDES, H. A. JACKSON,
F. C. McGEHAN, J.P.

Trust Board:

MR KENNETH B. MYERS, M.B.E.

MR J. H. ROSE, LL.B.

(Chairman)

MR JOHN SEABROOK, A.F.C., E.D.,

SIR GILBERT ARCHY, C.B.E.,

U.S. LEGION OF MERIT

F.R.S.N.Z.

MR A. T. PYCROFT

*Representative on Member Bodies' Committee,
Royal Society of New Zealand:*

DR. P. J. BROOK.

Director:

E. G. TURBOTT, M.SC., F.M.A.N.Z.

PRESIDENTS
OF THE
AUCKLAND INSTITUTE
AND MUSEUM



1867	F. Whitaker	1901	J. Stewart
1869	Hon. T. B. Gillies	1902	Dr. E. Robertson
1870	Rev. Dr. A. G. Purchas	1903	Professor A. P. W. Thomas
1871	T. Heale	1906	Professor F. D. Brown
1873	Hon. T. B. Gillies	1907	E. V. Miller
1874	Sir G. A. Arney	1909	Professor C. W. Egerton
1875	J. C. Firth	1910	Dr. R. Briffault
1876	Hon. T. B. Gillies	1911	J. H. Upton
1877	R. C. Barstow	1912	Professor H. W. Segar
1878	T. Heale	1913	C. J. Parr
1879	Rev. Dr. A. G. Purchas	1915	Hon. Sir E. Mitchelson
1881	T. Peacock	1917	J. H. Gunson
1882	E. A. MacKechnie	1926	H. E. Vaile
1883	Rt. Rev. Dr. W. G. Cowie	1931	Alfd. G. Lunn
1884	H. G. Seth Smith	1933	Professor H. W. Segar
1885	J. A. Pond	1934	Sir Cecil Leys
1886	Professor F. D. Brown	1935	A. T. Pycroft
1887	Professor A. P. W. Thomas	1936	Sir Carrick Robertson
1888	S. Percy Smith	1938	C. Reginald Ford
1889	J. Martin	1940	Dr. W. A. Fairclough
1890	J. Stewart	1942	A. H. Johnstone
1891	Professor F. D. Brown	1944	J. C. Rennie
1893	Professor C. A. M. Pond	1947	Hon. T. Bloodworth
1894	J. H. Upton	1949	F. L. G. West
1895	Professor A. P. W. Thomas	1952	Professor L. H. Briggs
1896	D. Petrie	1955	J. W. Kealy
1897	Dr. E. Robertson	1958	J. H. Rose
1898	Prof. H. A. Talbot-Tubbs	1961	John Seabrook
1899	J. Batger	1964	S. G. Brooker
1900	Professor H. W. Segar		



DIRECTOR EMERITUS

Sir Gilbert Archey, C.B.E., F.R.S.N.Z.

REPORTS TO MEMBERS

President

In presenting my final report—as 50th President—it is natural to begin by reminding you that this is our centennial year. The Institute was founded at a public meeting held on 6th November, 1867, so that the actual celebration falls into the period covered by next year's report, but members will be interested to know that a Committee consisting of the Director, Dr. Powell and myself has been set up to arrange for the preparation of a history of the institution. (The Museum itself had been founded earlier in 1852.)

At the beginning of last year's report it was mentioned that the year had been a particularly full one, but the past year has been even more eventful, showing that the Museum under the leadership of Mr Turbott is making more and more impact on the public which is very gratifying to us all. So many items call for notice that some deserving more detailed consideration can only be referred to briefly.

Apart from the usual series of annual events, special reference should be made to the 24th Battle of the Coral Sea Commemoration held on the Court of Honour on 12th May, 1966, at which the principal speaker and guest was President Johnson's personal representative, Vice-Admiral Paul H. Ramsey, U.S.N. After the ceremony we were pleased to welcome for a Mayoral Reception in the Maori Court the Mayor and Councillors together with Admiral and Mrs Ramsey and their official party. A colourful celebration, which will become an annual event, was the parade and service on Sunday, 22nd May, to commemorate Crete Day arranged by the New Zealand Crete Veterans' Association, many of those attending being in national costume.

Matters referred to in last year's Annual Report

The *Auditorium Appeal Citizens' Committee* with Mr John Seabrook as Chairman, Mr R. L. Wilks as Campaign Organiser, and Mr R. E. Thomas as Secretary-Treasurer is now actively at work in seeking contributions from leading citizens, local authorities, trusts, business firms and other interested parties. Members will have received my own letter as President setting out the position and asking them to contribute generously to the Appeal: this has already met with a heartening response from members, and I would ask all those who have not yet made a contribution to give the matter their urgent and serious consideration. Owing to the present financial stringency, it may take longer than at first expected to raise the sum necessary to build the Auditorium—an integral part of the original plan of the Provincial War Memorial—but it is nevertheless important that no effort be spared towards this endeavour.

Early Auckland display. "Centennial Street" was opened at a reception in Messrs Milne & Choyce's premises in Queen Street on

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15th August at which Mr R. S. Milne, on behalf of his Company, handed over the display to His Worship the Mayor, Dr R. G. McElroy, representing the City of Auckland, who in turn handed it to the Institute and Museum. After being in Milne & Choyce's for six months, the display is now in the process of being reconstructed in the old library area. The display will add considerably to the attractions of the Museum and provide much needed teaching material on the Colonial Period. An attractive handbook prepared by the Museum staff is nearly half sold, and a second edition is planned which will take cognizance of additions and alterations in the new location. We are deeply indebted to the Directors of Milne & Choyce Limited for their very notable contribution to the cultural resources of Auckland, and the extension provided to our educational facilities, and I am happy to convey our institution's thanks, and best wishes and congratulations on the firm's own Centennial.

Coffee Lounge. I am pleased to say that the Coffee Lounge, conveniently positioned to the left of the main entrance, was successfully opened on time on 9th November. Its general plan, decor and the standard of catering have to date met with very favourable comment. It is obvious that it is filling a definite need, and during holiday periods the demand has been so great that it has been necessary to turn patrons away. It is also pleasing that on present indications, once the initial teething troubles are surmounted, receipts and payments in this department should be in reasonable balance. A Committee comprising Mrs Horton, Dr Roche, the Director and myself has been responsible for the establishment of the Lounge, and will continue to supervise the venture on behalf of the Council.

Royal Society of New Zealand. It is unfortunate but unavoidable that while we are carrying out our Auditorium Appeal, the Royal Society of New Zealand (founded as the New Zealand Institute in 1867) has also launched an appeal for funds to build "Royal Society House" as a headquarters for scientific activities in the Dominion. At the request of our Council, the Royal Society delayed making any appeal to the members of our Institute (who by virtue of the fact that we form a Member Body of the Royal Society, are all linked with that organisation), until our own Appeal had been launched. Despite other claims on their generosity we hope that our members will be able to respond to this request from the Royal Society.

Dr P. J. Brook has been appointed by Council as our representative on the Society's Member Bodies' Committee.

Awards

We have been happy to extend congratulations this year on awards granted by Her Majesty the Queen: to Sir Harvey Turner, Knight Bachelor; to the Hon. H. G. R. Mason, C.M.G.; and to Mr T. Bloodworth, a former President and a member of the Council for many years, O.B.E.

We offer our particular congratulations to Dr Charles Fleming who has been elected a Fellow of the Royal Society of London, the highest distinction accorded any of our members for some time. Although resident in Wellington, Dr Fleming, a Past-President of the Royal Society of New Zealand, has strong links with Auckland and takes a keen interest in our institution.

We are happy to record our congratulations to one of our members, Dr. R. F. R. McNabb, on gaining the award of the Royal Society of New Zealand's Hamilton Memorial Prize (jointly with Dr. A. Ewart). As Dr. Fleming was visiting Auckland to deliver his lecture to the Institute on Monday, 1st August, it was arranged for Dr. Fleming to officially present the Prize to Dr. McNabb on this occasion.

In view of his great contribution to the Museum and to the Institute as Director for 40 years Council in June conferred on Sir Gilbert Archey the title of Director Emeritus.

Council

There have been no changes in the Council since last year, but Dr R. N. H. Bulmer has announced his resignation to take effect from the end of June, 1968, consequent on his appointment to the Chair of Anthropology in the new University of Papua and New Guinea, at Port Moresby. Dr Bulmer has made a very useful contribution and we wish him every success in his new appointment. Council has appointed Mr J. H. Rose to take the place on the Trust Board vacated by Mr J. C. Rennie.

Staff

Council decided this year to make what will doubtless be the last staff increases for some time: it was decided to establish the new post of Marine Biologist, enabling us to expand and consolidate a number of aspects of marine biological study formerly under the care of Dr Powell; in addition, the expansion of staff has meant much additional clerical work, and it was decided to increase our staff by one additional Typist-Telephonist. We were pleased to welcome (in December) Mr A. B. Stephenson, who was appointed Marine Biologist, and (in August) Miss Margaret Woolloxall as Typist-Telephonist.

Mr N. M. Roe, who originally joined our staff in 1962 as Assistant Education Officer and later became acting Extension Service Officer, resigned from the latter post to go overseas on 1st January; Mr Roe contributed much during his period as Extension Service Officer, and was especially active in the organisation of the Extended Studies Groups for Form I and II children (in co-operation with the Education Department), now an established feature of our work. The position of Extension Service Officer was filled by the appointment of Mr J. H. Wadham, B.Sc., who took up his duties on 1st February; Mr Wadham comes to us with an excellent record of

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educational experience, and we are pleased to welcome him to this post, so vital in our service to a wide public throughout the province.

Miss Deane Lowther resigned as Library Assistant on the occasion of her marriage, Miss Pamela McInnes being appointed in her place. In addition, Mr E. E. S. Curtis, who had held the position of Assistant Planetarium Lecturer for over six years, retired in December, his place being taken by Mr J. B. Orr.

It is also with pleasure that our gratitude is expressed to a number of people who have assisted in a part-time capacity, more especially in the Library: mention is made of voluntary assistance received in the various staff reports.

Council has always been aware of the quality of the research work being done by our professional staff and members will be gratified to know that this has been accorded official recognition through the Institute and Museum having been listed as an approved institution for tax concession on the recommendation of the National Research Advisory Council. This means that gifts by companies to be used solely for research purposes will in future be free of income tax.

Membership

The roll has changed as follows:

	As at 31/3/66	As at 31/3/67
Life Members	406	404
Annual Members	795	831
	1,191	1,235

It is worth noting that the number of members is now the highest on record, providing further gratifying evidence of public interest in the Museum.

Obituary

We record with regret the death of Mr J. G. Allington, Dr J. C. Andrews, M.Sc., Ph. D., F.R.I.C., F.N.Z.I.C., A.M.I. Chem. E., Mr J. W. Court, Mr C. D. C. Creagh, Mr F. G. Farrell, Mr W. H. Gummer, F.R.I.B.A., Mrs C. R. Hampton, B.A., Dip. H. Sc., Mr C. H. Jenkins, Mr A. I. Johns, Mr H. G. King, Mr H. F. Mase, Mr R. L. Matthews, Mr J. Morton, Mr S. Reid, Mr E. H. Rhodes, B.Sc., Mr J. A. Stacey, Mr J. M. Stevenson, LL.B., Mr H. F. Taylor, Mr A. H. Thom, M.A., Mr W. P. Thomson, Mrs C. Trevithick and Mr R. P. Worley, M.Sc.

In the death of Mr E. H. Rhodes, B.Sc., a member of the Trust Board since 1955, the Institute and Museum lost a noted supporter, who played a leading part in the campaign to raise funds for building the Second World War Memorial; as Chairman of the Building Committee his business experience and engineering knowledge were of particular value. In recognition of his work for the

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We again thank the Auckland Savings Bank for generously supporting our rapidly-growing research establishment: the sum of £1,000 was this year granted by the Trustees to provide cabinets and equipment for the Department of Entomology. In addition, a joint application to the Nuffield Foundation by Dr Powell and Mr Wise for funds to carry out a survey of the terrestrial invertebrates of Northland forest remnants met with success, the Foundation granting £1,500 to meet the expenses of this survey; the work planned on this project is already in progress.

Additional bequests and gifts this year include a further sum of £955 in the estate of the late Mr W. T. King, bringing the total in this bequest to £1,155; and a bequest of £500 from the late Miss E. L. Donald. A donation of £100 from Miss E. L. Hellaby was again used for the purchase of ceramics.

We are also grateful for monetary contributions to: Auckland Studio Potters; Mr K. D. Butland; Mr J. H. Goodey; Government Tourist Bureau; Miss R. B. Hellaby; Kiwi Polish Co. Ltd.; Mrs S. Printz; Mr H. M. Rodewald; St. Cuthbert's College pupils—as a memorial to the late Mr E. H. Rhodes; Mrs S. G. Walter; Mr H. W. Young.

Special mention may be made of the gift by Mr Noel Cole, of Auckland, of a portrait—now hanging in the Council Room—of Sir Peter Buck (Te Rangi Hiroa); the portrait commemorating a distinguished New Zealander, and a past member of our own Council, is a most welcome accession, and one for which all members will wish to join in appreciation. It is by the Auckland artist, Mrs Heather Parkinson.

Conservation

The Conservation Committee has been active throughout the year, matters considered including support of a submission for the preservation of Green's Bush, on the Bombay hills, which was understood to be threatened by proposed main highway realignment; word was received from the present owner of the bush, Mr G. F. Green, that following submissions it appeared unlikely that the bush would be affected by the new route.

Much attention has also been given to the proposals announced by the Mount Wellington Borough Council for extensive development on the Mount Wellington Domain, including the construction of a ski lane. Our Council's resolution, which was conveyed to the Mount Wellington Borough Council by deputation, and sent also to the Minister of Lands and New Zealand Historic Places Trust, asked that, as the site of the proposed ski lane and other developments forms an area of unique archaeological and geological interest, the Mount Wellington Borough Council should reconsider this proposal: our Council added its strong recommendation that the Mount Wellington Domain as a priceless heritage should not be further modified, but left,

subject to reasonable care, in its natural state. The Mount Wellington Borough Council assured our deputation that no move was being made to press ahead with the scheme without reference to other affected persons, and that the scheme, including our Council's submissions, was being discussed with the Minister of Lands and Commissioner of Crown Lands. Council's thanks are due to the members of the deputation, Mr Fisher and Professor Searle, for representing us in this matter.

Council learnt with much pleasure from Mr John Seabrook that measures had been recommended by the Nature Conservation Council which would avoid any material change in Fitzgerald Glade, although allowing for necessary modification to ensure road safety.

Council was also pleased to extend its congratulations to the Minister of Lands on the Government's decision to purchase the Mansion House property, on Kawau Island. A report on the property was received from Mr John Seabrook, who as a member of the interim Maritime Park Board has been closely associated with moves to establish a Park for the conservation of the many islands of the Hauraki Gulf area. Council's help or co-operation in the work of the Board was offered to the Minister.

The Committee was grateful to Dr Graham Netting, Director, Carnegie Museum, Pittsburg., U.S.A., for his permission to modify slightly the "Conservation Commandments" written by Dr Netting and widely known in the United States: these have now been printed and steps are being taken to ensure a wide distribution.

Sunday Morning Opening

Brief reference may be made to the success of the new Sunday hours, instituted experimentally in 1965: our decision to open at 11 a.m. on Sunday morning met with immediate public appreciation, and it is believed that attendances fully justify continuance of the new hours.

In conclusion, I would particularly thank Mr John Seabrook, Vice-President, who so willingly deputised for me during a serious illness in the past year, and wish Dr H. C. Holland an enjoyable and fruitful period of office.

S. G. BROOKER.



Chairman of the Trust Board

It has been possible this year to improve further certain of the Vaile properties, and this included renovations and additions following a fire in one of our buildings on 11th June, 1966. All our properties are in satisfactory order; Mr Hensen has again suggested a number of improvements, and has attended meticulously to maintenance requirements.

The Board is considering a valuation report on the relatively small

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amount of land still held at Broadlands, offers for the remaining area having been received.

Properties are still being investigated for the investment of the proceeds of the sale of the Vaile endowment Queen Street property, several having been considered during the year; however, so far the Board has been unable to find any suitable property which would produce a satisfactory income return. The fund has again been retained on monthly deposit in the Bank of New Zealand.

Invested funds now stand at £187,811.

In the death of Mr E. H. Rhodes on 30th October, 1966, the Trust Board lost a most valued member: the late Mr Rhodes' work for the Museum is mentioned above by the President, and he will be missed on the Board as he will by all members. Mr Rhodes was elected to the Board in 1955.

Mr J. H. Rose, LL.B. was appointed by the Council in July, 1966 to fill the vacancy caused by the resignation last year of Mr Rennie.
KENNETH B. MYERS.



Director

Institute Lectures

All members will wish to join in thanks to the lecturers in this year's series: a wide range of topics was presented and the lectures were again consistently well attended (the number at Dr Fleming's lecture may well have constituted a record for an Institute lecture). The following took part in the series: Mr K. A. J. Wise, *The Recent Antarctic Insect Research Programme*; Dr H. A. Whale, M.Sc., Ph.D. (Cambr.), *Scientific Rocketry*; Dr R. M. Cassie, M.Sc., D.Sc., *The Snapper Fishery*; Dr C. A. Fleming, O.B.E., B.A., D.Sc., F.R.S.N.Z., F.M.A.N.Z., F.G.S., *Life on an Ancient Archipelago*; Mr Campbell MacLaurin, F.R.C.S., F.R.A.C.S., *Human Tissue Transplantation*; Mr L. P. Leary, Q.C., *Some Aspects of Criminology*; Dr D. Spiller, B.Sc., Ph.D. (Cambr.), *The Problems of Insecticides*; Mr J. M. McEwen, LL.B., *A Present Day View of Maori History*.

In addition to the above programme, the President of the Royal Society, Professor P. M. S. Blackett, C.H., F.R.S., lectured on Wednesday, 14th September at the University of Auckland at a combined meeting sponsored by the Auckland Section, Institute of Physics, the Physical Society, the University, and the Institute; Professor Blackett's subject was *Technology and Science*.

As mentioned in the President's Report for 1965-66, the Cheeseman-Pond Prize was last year awarded to Professor L. F. Phillips, of the University of Canterbury; the presentation of the Prize to Professor Phillips was made by the President at the meeting on Monday, 11th July, immediately before Dr Cassie's lecture.

Sunday Lectures

Arrangements for these were again in the hands of the Extension Service Officer, Mr N. M. Roe, who suggested that we try an earlier series this year, running from 19th June to 24th July. Possibly because fewer other attractions were available during the winter months the series attracted most satisfactory audiences, the average total attendance being 70. Thanks are expressed to the speakers in the series: Dr D. F. Nelson, *Science and Detection*; Mr W. T. Roy, *Indians in the South Pacific*; Dr R. C. Green, *Historic Identification of Two Maraes in Tahiti*; Mr F. S. Beecham, *A Visit to the Urewera National Park*; Mr K. A. J. Wise, *An Entomologist in the Subantarctic*; Mr R. Oppenheim, *Maori Burial Customs*.

All the lectures were held at 3 p.m. in the Museum Lecture Hall.

Display Installations

This year has seen most satisfactory progress in both Maritime Hall and in the preparation of the dioramas for the Hall of Botany — the latter project would be much further advanced had it not been necessary for Mr Cappel to transfer his attention up to the opening of "Centennial Street" on 15th August almost entirely to the latter project. Dr Powell planned to complete the installation of all the major nautical items held by the Museum, and it is pleasing to record that this aim has now been achieved; in addition, new material has been received from the Royal New Zealand Navy and the Union Steamship Company, and this has been incorporated (see Dr Powell's report). Future work will be aimed at the elaboration of displays relating to local shipping, and to Pacific exploration, in the side cases of the Hall.

Work completed in the Hall of Botany includes a panel showing timber sections, accompanied by a foliage spray of the species concerned and distribution maps (foliage mainly preserved by Mr Cappel's "pickling" method)*; the installation of labels on some larger items (plough, roller); and the completion of the mangrove diorama. In addition, Mrs Brookes and Miss Goulding co-operated to install a three-panel display, "The Story of Paper": this is planned as an introduction to a further installation on commercial uses of wood pulp and paper.

Mr Bayliss returned from his overseas tour only shortly before the preparation of last year's report: he has worked almost continuously throughout the year, first on plans for a full re-organization of the Applied Arts displays, and following approval of the plans and construction of the display cases, on the installation and labelling of material. The result, the opening of a comprehensive series exhibiting

* Experiments in the various means of plant preservation for display are described below in an article by Mr Cappel, "Experiments in Preservation of Botanical Specimens" (p. 45).

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our ceramics, silver and general Applied Arts collections, forms a tribute to Mr Bayliss' high professional attainments and grasp of the principles of display: it is especially pleasing to note that much material not previously on public view has been incorporated, and that the Mackelvie loan collection which has always comprised a substantial section of our displays in this department is adequately shown. Mrs Brookes co-operated with Mr Bayliss in the work on the displays, her assistance in many aspects of planning contributing greatly to the project; she has hand-lettered all case labels. The grant for case construction and lighting was made in 1964 by the Sir John Logan Campbell Trust, and the assistance of the Trust in this long-awaited reorganization of a section of our displayed collections is again gladly acknowledged. The Applied Arts project, as will be seen from Mr Bayliss' own report, has involved all the routine of establishing a separate Department as well as much work — sorting, recording and cleaning — behind the scenes; very special thanks are due to Mrs W. M. Horton who has given her time generously to assisting with the care and maintenance of the collections, both during Mr Bayliss' absence and since his return.

Brief mention may be made of "Centennial Street", opened, as mentioned by the President in his report, at Milne and Choyce's Queen Street store on 15th August, 1966, and now in process of re-establishment in the old library (see Mrs Stephenson's report, below, for further details). The responsibility for separate sections of the work was widely divided amongst the staff of Messrs Milne and Choyce, and the Museum staff — thanks are expressed in our *Handbook* to the many helpers, but the opportunity is taken here to pay a tribute to the work of the display's designer, Mr Peter Parsons, who drew up the plans for the "Street" and supervised its installation. We are also grateful to Mrs W. Macdonald for her introductory essay in the *Handbook*. Members of our staff contributing to the project were Mrs Stephenson (appointed to the staff under a grant from Milne and Choyce to enable us to attend to recording and maintenance of the collections); Miss Evans (background historical research, and compilation of historical information on the firms represented); and Mrs Brookes and Mr Cappel (Mrs Brookes hand-lettered all signs used, while Mr Cappel, in association with Mrs Stephenson, drew up plans for the shop layouts and period rooms). It may be added that the collections built up in the course of the project (including, of course, material already held by the Museum, and the contents of the former Old Colonists' Museum) have been incorporated as the Colonial Section of the Ethnology Department; the establishment of the new Section resulted in much additional responsibility for Mr Fisher, and Mr Fisher also gave much time to the acquisition of suitable material for this section of the collections.

Finally, other new display installations include a case entitled "Maori Occupation of Auckland", prepared by Miss Davidson working in co-operation with Mrs Brookes — the case provides a concise

introduction to current New Zealand archaeological thought, based for purposes of this display upon the Auckland area (Maori Hall East).

Special Exhibitions

Fewer exhibitions were undertaken than last year: this section of our work absorbed a great deal of time last year and it has correspondingly been possible for our staff — and especially Mrs Brookes — to give more time to the work of the basic display programmes. For the annual Auckland Festival contribution we chose the theme "Polynesia in Auckland" in the belief that amongst the many groups of Pacific Islanders now resident in the city much colourful and interesting material would be found: we received splendid co-operation, and were able to show a comprehensive range of fabrics, plaiting and household items in everyday use. There were, too, striking examples of the little-known craft, *tivaevae*, i.e. the making of patchwork quilts and smaller items which apparently originated in Tahiti, the Cook Islands and the Marquesas as the result of the missionary introduction of patchwork sewing, and today still flourishes in the Cooks. Mrs Teuane Tibbo, of Auckland, lent six of her paintings on Samoan themes for the Exhibition. The organization and arrangement of the Exhibition fell largely upon Mrs Brookes, who again worked enthusiastically during the long preparatory period, and drew up an imaginative design for the displays. Mr Roe assisted with arrangements for the daily demonstrations by groups of Islanders, and for the supply of raw materials; Mr Fisher also devoted much time to the selection of the comparative material from our own collections, and wrote descriptive notes on *tapa* and pandanus for the Exhibition Guide. Our thanks for assistance are due to the Reverend R. L. Challis and the Reverend E. S. Elisi for enabling us to co-ordinate our enquiries amongst the Islanders; to two groups of the Pacific Islanders Congregational Church (Combined Ladies' Committee and Cook Islands Youth Club); and to Mr and Mrs P. Harris, who arranged for the *kava* ceremony at the official opening, and for *tapa* beating demonstrations. Assistance was also received through the Pacific Islands Federation (Mr T. A. Henry, Interim Secretary).

The Exhibition was opened by His Worship the Mayor of Auckland, Dr R. G. McElroy, on Monday, 9th May.

We also undertook to stage a second exhibition, the UNESCO Loan Exhibition entitled "The Art of Writing". This provided a comprehensive visual treatment of the impact of writing upon mankind, and the development of written communication through the ages. The Exhibition was held in the Special Exhibition Hall, and was opened on Tuesday, 10th May by the Minister of Education, the Honourable A. E. Kinsella. Mrs Brookes arranged for the display of the material, designing special stands to hold the fifty panels comprising the Exhibition.

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Apart from these Festival activities, our programme included again the Auckland Science Exhibition (18th-23rd August). The Exhibition, organised as previously by the Auckland Science Teachers' Association, attracted excellent entries, so numerous this year that accommodation in the Lecture Hall proved hardly sufficient. The Exhibition provides a much appreciated attraction each year, and it is with pleasure that we again offer our congratulations to the Association on its success.

From 10th-20th November the Auckland Studio Potters held their annual exhibition in the Special Exhibition Hall.

Local Museums

In addition to the liaison maintained through our Extension Service with those interested in our work throughout the province, advice and assistance have been given to several groups aiming at the establishment of local historical museums: notable amongst developments in this field in the Auckland provincial area this year have been the Whakatane District Museum Appeal (advice given for plans for the proposed Museum), the opening of the Waiuku Museum, and additions to the Otamatea Kauri and Pioneer Museum, Matakohē (the latter now at an advanced stage). We have also been able to help by the loan of material to the Waimate Mission House, and display assistance was given to the Te Awamutu Museum.

Research and Field Work

Details of the work carried out by Dr Powell and Mr Wise on their project "A Biological Survey of Northland Forest Remnants" under a joint Nuffield Grant is given in their individual reports. Dr Cooper's vegetation survey continues to involve extensive field work: the Golden Kiwi Lottery Fund grant will maintain the work for a further two years, but in the meantime the material collected poses some difficulties in the herbarium as regards storage, and it is hoped that further assistance to provide for more efficient storage installations may be forthcoming from the Fund.

Publications

The appearance of a new issue in the *Bulletin* series always provides a landmark, the last being No. 4, Sir Gilbert Archey's "The Art Forms of Polynesia"; this year Dr Powell has made another notable contribution to the series with "The Molluscan Families Speightiidae and Turridae" (A. W. B. Powell, *Bulletin of the Auckland Institute and Museum* No. 5: 1st November, 1966).

The current issue of the *Records* (Vol. 6, No. 3) (now in the press) contains the following contributions:

"A Further Note on *Tecomanthe speciosa* W. R. B. Oliver (Bignoniaceae)", by J. A. Hunter.

Ipomoea pes-caprae (Convolvulaceae) on Ninety Mile Beach, New Zealand", by R. C. Cooper.

"Vegetation of Great Island, Three Kings Group, in 1963" by
M. Holdsworth and G. T. S. Baylis.

"New Zealand Molluscan Systematics, with Descriptions of New
Species: Part 6" by A. W. B. Powell.

"Mollusca of the Kermadec Islands: Part 2", by A. W. B.
Powell.

"Cypraeidae from New Zealand", by F. A. Schilder.

"Midden Analysis and the Economic Approach in New Zealand
Archaeology", by Janet M. Davidson.

"Maori Wood Sculpture: The Human Head and Face", by Gilbert
Archey.

E. G. TURBOTT.



Anthropology and Maori Race Section

The year 1966 was outstanding in several ways but perhaps the most notable events were the lectures given by Thor Heyerdahl in February, Dr. Lewis in March and Dr. Duff in September. Over 70 members and friends attended each of these lectures. Thor Heyerdahl spoke and showed a movie illustrating his archaeological research at Easter Island. Dr. Lewis told of his sea voyage around Cape Horn and across the Pacific Ocean; of particular interest was his final journey to New Zealand, in which he navigated his vessel without modern aids. Dr. R. Duff, our Patron for the year, spoke on the relevance to tropical Polynesian pre-history of the determination of the earlier (Moa-hunter) phase of Maori culture.

Other lectures were given by Professor R. Piddington, "Racial Prejudice"; Dr. P. Hohepa, "Waima Revisited"; Mr B. Pierce, "Anthropology of Space Suits", and Mr T. Bayliss, "Diffusion of Chinese Pottery".

The Section is in a sound position financially and after a spate of resignations, mostly from those unable to attend meetings, the membership rose until at the end of the year it had again reached that of the previous year.

Officers of the Section for 1966 were: Patron, Dr. R. Duff; Chairman, Mr. E. Grimes; Hon. Secretary and Treasurer, Mr N. Roe; Committee, Professor R. Piddington, Dr. R. Green, Miss Levin, Miss R. Rowley, Messrs. V. F. Fisher, R. A. Scobie, F. Simpson and J. T. Diamond; Hon. Auditor, Mr J. Prebble.

J. T. DIAMOND.



Auckland Astronomical Society

The Society this year saw the completion of the Auckland Observatory, the building being opened on 21st March, 1967, by His Excellency the Governor-General, Sir Bernard Fergusson. It is on a site near Manukau Road in the One Tree Hill Domain. This project was placed in the hands of the Auckland Observatory Trust Board by

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the Society, and it is through the generous donations of the late Mrs Edith Winstone Blackwell, M.B.E. and others, and the determination and unfailing efforts of the Board, that Auckland now possesses this fine instrument and Observatory.

The Society has held well attended meetings each month from March to November. Perhaps the most notable lecture was that by Mr Peter Read in April, when the new lecture hall at the Observatory was filled to capacity.

During the year a new "Moonwatch Section" was established, with Mr R. G. Welch as director, and already this Section has been recognised and assisted by the Smithsonian Institute.

Membership, which has been static in recent years, has increased and a pleasing aspect of the new membership is the number of young people.

D. C. FISHER.



Maritime Section

The Auckland Maritime Society which operates as the Maritime Section of the Museum has had a very successful year and the interest of the members in the Society's activities has been maintained at a high level. Membership stands at 192 inclusive of junior and country members.

Activities over the past year have included a number of talks by people well versed in some particular sphere of maritime affairs either through experience, or through study. These have included, amongst others, the captain of H.M.N.Z.S. "Lachlan", Commander I. S. Monro; Mr W. R. Freeman of Sydney who is a well known authority on the shipping that visits Sydney Harbour; and Mr Noel Holmes who travelled from Sydney to Auckland on the Chilean training ship "Esmeralda" in August last.

An outing for members of the Society is arranged each year. This is always to some part of the Auckland Province that has some association with the sea or has some historical interest of a maritime nature. The outing in this past year was a trip by chartered bus through Clevedon and down the western coast of the Firth of Thames as far as Waitakaruru.

The Society's library, which is housed in the Museum, was added to during the year by the purchase of four Lloyd's Registers, a Mercantile Navy List and a list of British merchant ship losses in World War I, together with some shipping magazines which were donated by members.

It is very gratifying to the Society to see the additional exhibits that have been placed in the Maritime Hall and particularly so that the model of the frigate "Orpheus" has found a final resting place there. This is the model that was built by a member of the Society, Mr E. T. Fairburn.

Mention must be made of the literary accomplishments of some of our members. Mr W. A. Laxon, who is a regular contributor to shipping periodicals, this year published a small book bearing the title "Steamers Down the Firth". This is a very well written history of the old shipping services to Howick, Whitford, Clevedon and other places on the western side of the Firth of Thames.

Mr Allan Kirk, whose last published book was "Ships and Sailormen", has recently finished writing a history of the Anchor Steamship Company which will soon be published. He is at present engaged on a history of the steamer services between the North and South Islands of New Zealand, with special emphasis on the steamer express service between Wellington and Lyttelton and the services inaugurated by the "Aramoana" between Wellington and Picton.

Another of our members who is an author of some distinction is Mr Clifford Hawkins, at present visiting the coastal areas bordering the Indian Ocean and Persian Gulf, where he is making a study of dhows and other types of local sailing vessel. Mr Hawkins, apart from being the author of two successful books, "The Log of the Huia" and "Out of Auckland", is a regular contributor to the "Mariners Mirror", the journal of the Society for Nautical Research. It is pleasing to see also a contribution to the "N.Z. Marine News" by another of our members Mr C. A. Furniss, who has an intimate knowledge of the old shipping services to the Piako and Waihou Rivers.

The writing of a book on the history of a shipping company or a particular shipping service requires a great deal of painstaking research on the part of the author, and it is the policy of the Society to encourage its members in such research work. The Society also intends, whenever it can, to sponsor the publication of worthwhile research work which is done by its members.

The Officers of the Society are: Chairman, R. A. Carpenter; Secretary, R. M. Watt; Treasurer, N. A. Maffey; Committee: Messrs. D. N. Brigham, C. W. Hawkins, A. A. Kirk, W. A. Laxon and A. P. Thompson.

The Society meets on the fourth Thursday in each month in the Lecture Room of the Building Display Centre, Darby Street, Auckland.



Conchology Section

If the life and vigour of a section is judged by the many different shades and degrees of interest which its members express, then the Conchology Section should be rated highly. However, it is certain that the steady increase in our membership and the requests for our publications, both from overseas and within New Zealand, have been the main factors which have caused the executive to give considerable thought to the future of our section. It will be one of its main tasks in 1967 to present definite proposals to the membership for any reorganisation considered necessary to ensure the section's

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continued development. This reorganisation must take into account that only approximately one fifth of our members manage to attend the monthly meetings, and that it is our publications which enable the New Zealand-wide membership to participate in the activities of the section.

The attendance at the monthly meetings of some 50 to 60 members has naturally reduced the possibility of actually handling specimens as they are discussed by the lecturers, and to restore this aspect, group discussion evenings have been introduced. By dividing into three or four groups, more personal contact is possible both with the group leaders and with the "shells" themselves.

Excellent lectures and talks of a very high standard were presented during the year. We are fortunate to have such a large number of knowledgeable people in Auckland who are willing, despite a very busy life, to respond to our requests for lectures.

Dr Powell has again arranged appropriate exhibitions selected from the extensive Museum collection and has also kept us up-to-date with the latest "findings" in the molluscan world.

Two one day field trips were held, one to Hillyers Creek Bush to sample the land snail population prior to possible removal of the bush, and one to Rangitoto Island, this latter area unvisited by the section for some time. In addition a weekend trip was made to Whangarei Heads. This was most enjoyable and some good collecting was experienced.

Our financial position is now secure, with a balance of £292, plus £119, being the proceeds of an auction of shells, which is earmarked to provide a suitable memorial to the late Miss James.

The section has received ever-increasing support from its younger members. Apart from the very keen and knowledgeable ones still attending school, we also have one member studying for his Doctorate of Philosophy, four undertaking their M.Sc. degree, and one mid-way through his B.Sc. Hons. course. Other members are just approaching their university studies, and it is obvious the section can look to the future with some confidence.

Our magazine "Poirieria" has been issued regularly during the year, and the section cannot over emphasise their debt to the co-editors, Mr and Mrs Gardner, for their great services to the section both as editors, and for the New Zealand-wide "identification service" which they willingly supply to all.

S. R. AYLING.



Assistant Director

"Saki", the late Mr Hector Munro, once likened the English House of Commons to a crowded kitchen range upon which some pots, near to boiling, have to be pushed aside to make room for other pots.

This simile could apply equally well to my own one-man department—everything has to be kept jogging along—the result

being that any finality achieved must be at the expense of something else. However, this state of "too many irons in the fire" is now lessened considerably by the appointment of Mr Brett Stephenson as Marine Biologist, which relieves me of the fishes and marine invertebrates, other than mollusca.

The collections of Recent and Tertiary mollusca have been much in demand for reference by visiting New Zealand and overseas specialists. Two overseas workers, who spent some time referring to the collections, were Professor J. B. Burch of the University of Michigan and Mr W. O. Cernohorsky of Fiji.

With the help of Mr N. H. Gardner, one evening per week, some progress has been made with the labelling of material from store, enabling its incorporation in the reference collections, but the surface only of this time consuming task has been scratched.

The collection of molluscan primary type specimens has been completely checked and a list with registered numbers prepared. The total of molluscan holotype specimens in our collections now numbers 1289, plus a further 207, available in the "Powell collection." In the general molluscan reference collection there are now over 100,000 named lots.

The removal of the fish collection from the department has made space available, enabling the transfer from the geological collections of the pre-Tertiary fossils. This rather large collection has been completely overhauled, involving much re-labelling, and the whole is now available for reference.

Research projects completed during the year were "The Molluscan Families Speightiidae and Turridae", published November last as Bulletin No. 5, Auckland Institute and Museum. A 250 page manuscript on the toxoglossate mollusca, to appear shortly in the "Treatise on Invertebrate Paleontology", published jointly by The Geological Society of America and The University of Kansas. Another monograph on turrid mollusca is in the printers' hands for publication in "Indo-Pacific Mollusca", Academy of Natural Sciences of Philadelphia. A fourth contribution "New Zealand Molluscan Systematics, No. 6", is at present being printed in our "Museum Records". In addition to the above, a manuscript is in preparation, on the Turrid Molluscs of Hawaii, intended for publication by The Smithsonian Institution of Washington.

Field work has proceeded intensively, in collaboration with Mr K. A. Wise, upon an investigation into the faunules of the fast disappearing forest remnants of Northland. This research is sponsored by a Nuffield Research Grant.

The turrid researches are being conducted with the aid of a monetary grant from Mr W. B. Dixon Stroud of West Grove, Pennsylvania.

The "Maritime Hall" is now complete so far as the main features and exhibits are concerned. Material within some of the show cases,

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is however temporary, purposely so, to enable the incorporation of new acquisitions as they come to hand.

Notable additions during the year have been an engine-room telegraph, navigational instruments and other equipment from the Royal New Zealand Navy, thus completing the ships bridge. The Navy also donated a fine model of H.M.N.Z.S. "Royalist", and the historic ship's book of H.M.S. "Philomel"; these two items being the subject of a handing over ceremony in March.

Other important additions to the hall are a large half-model of R.M.S. "Niagara" and a complete model of the "Hinemoa", both donated by The Union Steamship Company. Four mementos of the T.S.S. "Awatea" were bequeathed by the former master of the vessel, the late Captain Arthur Henry Davey. The most striking is the stainless steel greyhound, a weather vane formerly mounted on the truck of the mast.

Two fine additions to the displays relate to early British warships concerned with the New Zealand station — one a beautiful model, by Mr E. T. Fairburn of Auckland, of the ill-fated H.M.S. "Orpheus", lost with heavy casualties on the Manukau Bar in 1863—the other a fine example of the wood carvers art, the figurehead of H.M.S. "Virago", which is now slung in its correct position beneath a fabricated bow-sprit and ship's stem.

The museum stamp collection has been brought up to date by the mounting of over 500 sheets of stamps. The collection is being steadily added to by means of a fund bequeathed, along with his valuable collection, by the late Mr L. J. Ayre.

Unfortunately, however, the present spate of new issues for the Commonwealth is far in excess of the interest derived from the fund, and we have been obliged to restrict the acquisition of new issues to those of Great Britain, Canada and the South Pacific.

An important philatelic addition during the year was the bequest from the estate of the late Mr Vaughan Collett Cooper of mint blocks of stamps of New Zealand, Australia and the Pacific Islands.

The "Conchology Section" from which a report is contained in the Director's Report, has had a very successful year, with well attended evening meetings and field days. A pleasing note is that one of its members, Mr W. F. Ponder, was recently appointed Conchologist to the Dominion Museum, Wellington.

A. W. B. POWELL.



Ethnologist

Among many important recent acquisitions the following merit special mention: a fine, long, highly polished ceremonial adze from Fiji, presented by the family of the late Mr F. H. Warren; a stone adze from Rarotonga, deposited by Mr E. J. B. Simpson; flax and kiekie kits, presented by Mr W. Poutapu; two netted bags and a cane mask from New Guinea, presented by Mr and Mrs J. H. Rose; a

Melanesian carved wooden figure, presented by Mr G. A. Knaggs; two Fijian pottery bowls, presented by Mrs L. Birks, and a slingstone from Niue Island, presented by Mr S. Walsh.

In June Miss Janet Davidson took up her position as Archaeologist in the department and this has involved some re-arrangement of office and storage space. We cordially welcome Miss Davidson and a glance at her own report will indicate something of the contribution she has already made.

The problem of accommodation for the ever increasing reserve collections was temporarily solved by the acquisition of a large room on the ground floor. This room was improved by the construction of a mezzanine floor measuring 30 by 17 feet. Along the north wall of this floor six shelves were erected for the storage of material relating to physical anthropology, which was removed from the former antiquities room. A series of four rows of sloping bins built against the south wall contain wooden clubs from the Pacific Islands. This series will be continued along the remainder of the south wall and the whole length of the east wall in the immediate future. The ground floor of this room will be available for the storage of more bulky material.

As usual in recent years the Auckland Festival has meant a period of heightened activity. This year short articles on *Tapa* and *Pandanus* were prepared for the guide to the exhibition "Polynesia in Auckland", and were subsequently reprinted as Museum Leaflets. Three panels illustrating Maori carvings, weapons and textile arts were prepared for a display at Leys Institute. Five evening talks on the Maori collections were offered in the Maori Court and were attended by 130 people. Light supper was served at the conclusion of each talk, and this gave the visitors an opportunity to ask questions or participate in discussion.

The North Shore Festival continues to seek help and co-operation. An afternoon was spent at Devonport acting as co-judge of the Maori basketry and weaving competition. Maori material was lent to the Birkenhead Public Library and South Pacific specimens made available to the Northcote Borough Council for display in their locality.

Special visitors included Professor B. Ortolani, Rome; Professor J. Pouwer, Victoria University of Wellington; Mr A. Alpers, Queens University, Kingston, Ontario; Miss F. Bingham, University of California; and Mr W. M. Gardner, Kent, England. A number of students have sought information on source material for theses, and writers have presented manuscripts for criticism and advice. An increase is discernible in the request for ideas and suggestions from designers engaged in the preparation of badges and insignia. Frequently such requests relate to something with a Maori background.

Some help has been given to the "Centennial Street" exhibit, mainly in the form of visits to people desiring to present likely material, and also in discussions with Mrs Stephenson concerning the project generally. In addition a quantity of specimens have been

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transferred from Ethnology to Colonial, most of this work being executed by Mrs Warneford and Mrs Paterson. The establishment of a separate European Applied Arts Department involved transfer of material and alterations to the departmental records. Here too the major tasks devolved on Mrs Warneford and Mrs Paterson.

In the Numismatic Section, the whole of the collection has been moved to more suitable quarters. Mr A. Sutherland has given much help and advice, and a commencement made on the sorting and classification of the New Zealand tokens.

Sixteen formal lectures to a varied range of clubs and groups, plus many informal talks on the collections have been delivered. Visits to One Tree Hill (*Maungakiekie*) were conducted for two groups of students from the Ardmore and Canterbury Teachers' Colleges in order to study the Maori earthworks and defensive system, while at the same time discussing the general environment and history in pre-European times. This year a pleasing feature has been the exceptional interest shown by Girl Guides in sitting for the Maori Badge, of whom 120 passed the required test. As usual the requests for the loan of material have been heavy. It is not always possible to meet such requests and some items of interest such as Maori cloaks and capes are not available for loan. Among the many groups procuring specimens, the following may be mentioned: the Ardmore and North Shore Teachers' Colleges; a number of Public Libraries; Colleges; the Country Women's Institute; the Rodney A. & P. Society; the Army Museum, Waiouru, and the Urewera National Park. An important loan which merits special mention was arranged at the request of the New Zealand Jaycees (Inc.). This consisted of a small collection of Maori specimens which was exhibited in Sabah, Malaya and Singapore. All arrangements for the transport and cost of the undertaking were shared by the New Zealand Jaycees (Inc) and External Affairs Department.

I have again served on the Conservation Committee of the Institute. Arising from the work of this Committee I was deputed by the Council to act as leader of a deputation consisting of Professor Searle and myself to interview the Parks and Reserves Committee of the Mount Wellington Borough Council concerning the proposed plans for a ski lane, parking areas and buildings on Mount Wellington. At this meeting the text of a resolution approved by Council was submitted, the essence of which was that the mountain "Should not be further interfered with, but should be left, subject to reasonable care, in its natural state". At the end of February I attended the biennial conference of the Art Galleries and Museums Association held in Invercargill. At this meeting I retired from the Council of the Association, having served continuously in various capacities since its inception. On several occasions the Internal Affairs Department has asked me to report on Maori material submitted for inspection under the terms of the Historic Articles Act.

The normal round of telephone calls for information, personal calls for the identification of specimens, requests for references to literature and the discussion of projects continues to occupy much time. Collectively they make a heavy inroad into any day, but when people in numbers are seeking such help it is surely a sign that the Museum is a lively force in the community.

Our Recorder, Mrs Warneford, has catalogued, sorted and checked a range of material. She has also spent much time on the transfer of material to the European Applied Arts Department. In general she has performed a multitude of tasks, many requiring fine judgement, knowledge and experience, in a highly competent manner. Mrs E. B. Paterson, now an experienced worker in the department, has continued to make a valued contribution as part-time assistant, often teaming up with Mrs Warneford; she has also contributed much voluntary work.

V. F. FISHER.



E. Earle Vaile Archaeologist

My first task on joining the staff on 15th June, 1966, was to familiarise myself with the collections of the Ethnology Department, particularly those which are archaeological in nature, and with the functioning of the department. I have conducted various students and visitors through the archaeological parts of the reserve collections, and have at various times been called upon to deputize for the Ethnologist in dealing with enquiries from the public. Familiarity with the very extensive collections is not quickly acquired and there is constantly work to be undertaken in arranging for storage and cataloguing of archaeological collections.

Several extensive collections of archaeological material have been acquired during the year. Material recovered from excavations in Tonga and Samoa in recent years has been deposited in the Museum until the countries concerned acquire their own museums, and two archaeological collections from the Coromandel Peninsula have been presented.

In addition to assisting with the routine functioning of the Ethnology Department I have participated in other aspects of the Museum's work, being concerned with actively presenting to the public the results of recent archaeological research in New Zealand and particularly in the Auckland Province. I have spoken to training college students and social studies teachers, and prepared a leaflet, for the Museum's information series, on the subject. A display case on "Maori Occupation of Auckland" has been installed in the Maori Hall East, in co-operation with Mrs Brookes.

A number of field trips were made. These have concentrated on the Coromandel Peninsula, but certain other areas have also been visited. Sites on the Tauranga Harbour were recorded with members

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of the Tauranga Historical Society, following a talk to that group on the archaeology of the Coromandel-Bay of Plenty district. A survey of beach middens on the Ninety Mile Beach was made, and in response to a request from a local farmer an open camping site, and a *pa* at Maihihi, Otorohanga, were investigated. Field work in the Coromandel area has covered a number of aspects. Recording of sites has been continued with a visit to the northern tip of the Peninsula where archaeological sites were recorded for the New Zealand Archaeological Association's site recording scheme. Beaches threatened with subdivision on the east coast of the Peninsula have been surveyed and test excavations carried out in certain areas. A major project is the investigation of a stone quarry and adze manufacturing site at Opito. This is a very extensive site of considerable importance. It has been explored in some detail, and preliminary investigations carried out in a very small area from which a quantity of unfinished stone adzes were recovered.

Before commencing work at the Museum I spent eight months conducting fieldwork in Western Samoa. As a result of this fieldwork I selected a number of sites to be excavated by members of an Auckland University party during the summer of 1966-67. I was able to spend three weeks in February, 1967, assisting with the concluding stages of this fieldwork. My visit was part of a Polynesian prehistory programme financed by the U.S. National Science Foundation and sponsored by the Bernice P. Bishop Museum.

In August, 1966, I attended the Eleventh Pacific Science Congress in Tokyo, contributing to a symposium on Oceanic Prehistory. Attendance at this Congress was very valuable in a variety of ways.

In June, 1966, I accepted the position of Secretary of the New Zealand Archaeological Association, a position which has entailed a certain amount of work during the year.

A continuing task is the writing up of fieldwork carried out over the past three years. Five papers have been completed during the year, one on an aspect of New Zealand archaeology, for the *Records*, and four others, including the Science Congress paper for various journals, and special volumes. Work has also been continued on two major excavation reports.

JANET M. DAVIDSON.



Colonial Section, Ethnology Department: Report of Recorder

All efforts in the early part of the year were, of course, devoted to preparations for the opening of "Centennial Street" in Messrs Milne and Choyce's store. Up to the opening on 15th August, 1966, we worked in close co-operation with Mr Peter Parsons of Milne and Choyce, the designer and supervising architect; Mrs Brookes and Mr Cappel of the Museum staff worked on the displays (Mrs

Brookes was responsible for the signs and lettering, and Mr Cappel co-operated in the shop layouts). Mr Cappel was also able to solve many problems of restoration which arose when items were received in bad repair.

During the period of preparation for the opening, and in the following period up to the end of the year, all new material added to the collections was sorted, cleaned and incorporated: as mentioned by Mr Fisher in his report last year a new Colonial catalogue was started for the material already held by the Museum (and material received from the former Old Colonists' Museum collection) and this, together with later accessions has brought the holdings under this catalogue to about 1,500 entries. In addition, I was responsible for the descriptive notes included in the Museum Handbook "Centennial Street 1866".

Notable accessions this year have been a cast iron Victorian letterbox, presented by the Auckland Post Office; a loan collection of pharmacy bottles and fittings from the Pharmacy Board of New Zealand; a gentleman's hand embroidered waistcoat, presented by Miss E. M. Booth; an ornamental gilt stand for sewing silks, under a glass shade, presented by Mrs V. Haszard; woollen flowers made by the Misses Milne, presented by Mrs Magee.

On 20th February the work of dismantling the displays at Milne and Choyce's for transfer to the Museum began, much-appreciated assistance being given by members of Milne and Choyce's staff under Mr McMillan. The Museum party participating in the move included Miss O. Wynn-Williams, Mrs L. H. Briggs, Mrs W. Ringer and Mrs R. Manning and I am very happy to express thanks to these willing helpers; Mr Wadham, Mr Hensen, Mr Worters, Mr Brown and Mr Mack of the Museum staff also helped. The move was completed on 24th February, and since then the contractors, Messrs Bryco Construction, have been busy dismantling the structure and re-erecting it in the old library.

It may be added that large attendances were recorded during the period of display in Milne and Choyce's (15th August, 1966-31st January, 1967), the estimate for the first fortnight being approximately 30,000 visitors. The demonstrator appointed by Messrs Milne and Choyce, Miss Kay James, dressed in costume of the period, added greatly to the value of the display.

Numerous requests were received during the year for advice about, and loan of, material for specialised purposes; these have included Minerva Bookshop (whaling material), Selwyn College, Milne and Choyce Ltd (for special store displays), the Post Office Savings Bank, Combined Historical Societies, Green Bay School, AKTV2, Historic Places Trust and Occupational Therapy School.

Finally, in addition to thanks to various voluntary helpers mentioned above, I have been grateful to Mrs L. H. Briggs and Mr Brian Muir who helped during the final stages of installation of the display, and to Miss O. Wynn-Williams who has helped throughout: Miss

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Wynn-Williams' help, at first as part-time assistant and later in a voluntary capacity, has contributed greatly to the whole undertaking at all stages, and I am happy to record a very sincere tribute to her work.

EDNA M. STEPHENSON.



Botanist

Accessions for the year included: duplicate types of new *Luzula* species, from Dr. Elizabeth Edgar; specimens of the *Glossopteris* flora of New South Wales, from Dr. John Pickett, Geological and Mining Museum, Sydney; specimens of *Yoania australis*, a subterranean orchid, and slides of rare orchids, from Mr E. D. Hatch; a collection of plants of Kew Gardens, from Mr P. Jew; a collection of ferns from Mrs L. Blythe; a collection of mosses from Mrs I. L. Barr, and a mould for paper-making from N.Z. Forest Products Ltd. Through the good offices of Mr R. McKenzie, Chairman of the Waipu Pioneers' Museum, we have received a replica of the coulter of the Kerikeri plough.

In July 1966, the Centennial Park Committee of the Auckland Regional Authority granted £140 for a botanical survey of Spragg's Bush to determine whether the area is suitable for a permanent nature trail. Two botany students, Miss Barbara Parris B.Sc. and Miss Lynn Keen B.Sc., were employed for four weeks in the summer vacation, and Miss Jeanne Goulding and the writer supervised the work. Wet weather and almost impenetrable thickets of kiekie delayed the survey, and a team of footballers would have been more suitable for the conditions encountered.

In September 1966 I attended a seminar on the role of museums in education, held at the Australian Museum, Sydney. The Australian National Advisory Committee for Unesco kindly provided funds for me to attend the seminar and to spend a few extra days in Sydney. It was most worthwhile to meet the staffs of Australian museums, to visit the galleries and museums of Sydney, and to see a little of the native flora.

Back in May 1964, the Scientific Distribution Committee of the Kiwi Lottery granted £4,000 for a five year survey of the plants of the Auckland provincial district; the grant to be used for a vehicle, running costs and equipment. Collections of native plants in the herbarium are being sorted by counties and the results so far are: outlying islands are well represented, rare plants also have been well collected, but common species, now disappearing rapidly, have been neglected. For some "commoners" we have very few samples; from some counties we have no collections at all. Consequently, work on the survey has been concentrated in districts from which we have few samples, and in areas where bush and scrub remnants are being cleared or planted with radiata pine.

The aim has been to go into the field each fortnight, but it has been impossible to achieve this. The deletion from the grant of any provision for staff has made the project a difficult one. Recently, the Director of Botany Division, D.S.I.R., Lincoln, reported that, although the establishment of the Division rose from 23 in 1957 to 35 in 1966, there are insufficient botanists to meet the public demand for botanical information. At the Auckland Institute and Museum, the establishment of one botanist has not altered since 1929, and it is impossible to satisfy all requests and make satisfactory progress with research.

Part of the £4,000 grant was used to install additional shelves but, with the installation of this much-needed storage, there is little space left for helpers and we have to play "musical chairs" when a visitor wishes to work in the herbarium. Mrs P. Hynes and Miss J. Goulding have continued to work part-time on the collections, and I am most grateful to them for their willing help under increasingly crowded conditions. I am also indebted to the Art Galleries and Museums Association for providing an additional £350 a year for Miss Goulding's salary as Assistant Secretary of the Association. I have continued to serve as Secretary of the Association and of the Museum Conservation Committee.

ROBERT COOPER.



Entomologist

A grant of £1,000, made by the Auckland Savings Bank to the Museum for insect cabinets, microscopes, and other equipment in this Department, has provided for most of the basic needs of the department.

A Nuffield Research Grant of £1,500 was received jointly by Dr. A. W. B. Powell and myself for a project on "A Biological Survey of Northland Forest Remnants". Under this grant 47 sites in Northland have been collected, some 3,500 insects being taken and many hundreds more extracted from leaf-litter samples in apparatus set up in the Museum. Field trips have been planned to sample various parts of Northland but not all areas have yet been covered. Preliminary sorting of specimens has been carried out; further sorting and research work, to be carried out over the winter months, has begun.

Miss K. L. Lidgard, who was appointed under the Nuffield Grant, assisted in sorting, preparing, labelling and curating the collections for seven months until January. Miss J. Bertrand is now continuing this work, as a part-time assistant.

Curating of collections already in the Department has continued and the collection of specimens in spirit has been completely overhauled and re-bottled. This Department is responsible not only for the Insecta but also for all terrestrial and fresh-water (i.e. non-marine, non-Molluscan) invertebrates. Recording of collections, systematic listing of appropriate insect records and listing of "type" specimens, have been begun and are well in hand.

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Useful collections of insects have been presented by Mr L. T. J. Pycroft, of Auckland, Mr K. P. Rennell, Mr C. Robertson, Wellington, and Mr R. Rowe, Auckland. Mr J. A. F. Jenkins has kindly collected insects for the Museum in Ceylon, Singapore, Pacific Islands, and at sea.

Several entomologists have visited the Department to carry out research work and 20 loans of research material have been made to specialists in New Zealand and elsewhere. In consequence many groups have been examined; identified collections of aquatic beetles, aquatic bugs, cockroaches, earwigs, butterflies, dragonflies, and millipedes, have already been returned.

Field trips during the year were: Bethells Beach 15.4.66; Aria-Awakino (including caves) 16-20.5.66; Whangarei and Mangawhai areas 9-11.3.66; Waiwera, Northcote 2.9.66; Whangaroa area, Waipu Gorge 27-29.9.66; Taupo, Opotiki-Motu River, Mt. Te Aroha 4-7.10.66; Mangamuka Range 18-20.11.66; White Island, Mayor Island, Great Mercury Island, Coromandel Peninsula 4-11.12.66; Bay of Islands area 16.8.66; Tongariro National Park (Museum Extended Studies Field Club trip) 12-19.1.67; Waiheke Island 24.1.67; Wade River 25.1.67; North Cape area, Omahuta, Ruahua 21-26.2.67; North Cape area 6-10.3.67.

A particularly interesting expedition was made in the yacht "Achernar" to White Island, through the kindness of the island's owner, Mr J. R. Buttle. Both the active crater and the more stable area outside the crater rim were examined. The crater was barren but beaches, low plants, pohutukawa forest and a gannet rookery yielded many insects and other small invertebrates. Others have been extracted from leaf-litter and similar material taken on the island at the same time. Of the terrestrial invertebrate fauna of White Island, only four species of insects have been recorded previously, but over 50 species are now represented in the Museum collection.

Lectures have been given to the Auckland Institute in May, Museum Sunday Lecture series in July, Extended Studies Group of the Museum in October, and the New Zealand Speleological Society in September; a brief report was presented to the A.G.M.A.N.Z. meeting in April and a paper to the Entomological Society of New Zealand Conference in May.

Since May, 1966, I have made myself and the Department available, on one afternoon and evening each month, to insect students and enthusiasts in the hope of encouraging insect collecting and study. This has proved to be useful to several people and, even though regular attenders are few, it is considered to be worthwhile.

I am continuing taxonomic research on antarctic and sub-antarctic insects of the Order Collembola and have written up ecological results. Work is also in progress on the Orders Neuroptera, Trichoptera, and on nomenclature of New Zealand butterflies.

K. A. J. WISE.

Marine Biologist

After my appointment on 1st December, 1966, I spent some time in a survey of the collection of marine vertebrates and invertebrates (excepting Mollusca) formerly in the care of Dr. Powell, and in planning field work which would enable the scope of the collections to be extended. The first field trip, to White Island, was carried out through the courtesy of the Island's owner, Mr J. R. Buttle, who also transported the party to the Island in his yacht "Achernar"; useful records of marine fishes were made, and a brief survey performed of the very interesting intertidal zone.

A number of short field trips have also been made in the Hauraki Gulf, the work so far having been directed to collecting on rocky shorelines.

A preliminary assessment of the L. T. Griffin collection of fishes has been completed and work has begun on the relabelling, bottling and sorting of this material.

Special collections have been made for a research project involving some aspects of the biology of a fish parasite, *Irona melanosticta* and its relationship to its host the piper, *Reporhamphus ihi*.

Some time has been spent with Mr van der Meijden in the preparation of education programmes to be used by the School Service based on the Fish Hall. A Museum Leaflet, "A Guide to the Establishment of a Marine Aquarium" has been completed.

A. B. STEPHENSON.



Recorder (Zoology)

The moving, cleaning, cataloguing and reorganizing of the moa bone research collection occupied about five months of this year. The collection is now housed in the Ornithology Research Room. I am indebted to Mr V. F. Fisher for permitting Mrs E. E. Warneford and Mrs E. B. Paterson to come from the Ethnology Department to assist.

With the development of more extensive work in archaeology it has been apparent that a comprehensive skeletal collection of birds would be useful for checking and identification. A number of skeletons have been prepared from material donated to the Museum.

A considerable number of skins, and some mounts, have been added to the collections during the year, mainly of native species accidentally killed and sent in to the Museum; most of this work has been done by two outside taxidermists, Messrs. C. T. Craig and T. A. Jenkins, whose skilled work is greatly appreciated. Among the specimens prepared are a collection of Pacific birds donated by First Officer John A. F. Jenkins.

Instruction has been given to the Museum Extended Studies Field Club, which was established earlier this year. The most notable field trip was the Annual Summer Camp, held this year at Tongariro

National Park. The children were introduced to field study with an emphasis on methods of observation and note-taking.

Assistance was also given to the Girl Guide Association. Two of the girls who presented themselves for examination gained the Woodmans Badge.

I was able, through information and loan of specimens, to help several artists who were painting bird pictures. The most noted of these was Mr Raymond Ching, whose exhibition at the Auckland Art Gallery was an outstanding success.

A paper on "The Birds of Simmonds Islands" was published in the Ornithological Society's Journal "Notornis". This was an account of a field trip in December, 1966, mainly to record information on the birds which had not been previously investigated. A botanical collection was obtained on the island at the request of Dr. Cooper.

A second field trip to Waikaremoana resulted in the collection of three individual moa skeletons and two sets of mixed moa bones. This is the first trip into the area to collect moa material since Sir Gilbert Archey carried out the work recorded in his Bulletin. One of the skeletons is being mounted and will be returned for display in the Urewera National Park Headquarters museum. I am indebted to Mr W. Sanders, Chief Ranger, and Mr A. Buchanan, Ranger, for the assistance given while in the Park. Sir Gilbert Archey kindly assisted with the identification of the bones.

During the year material has been lent to many people and organisations, among whom were the Acclimatization Society, Tongariro and Urewera National Park Boards, Forest and Bird Protection Society, and the North Shore Arts Festival Committee.

LOIS J. WAGENER.



Curator of War Relics and European Applied Arts

This year sees the completion of the first year of the new Department of European Applied Arts. In the first place this entailed the transfer from the Ethnology Department of all the material falling under the heading of European Applied Arts together with Oriental material. Included were collections of ceramics, glass, silver, textiles, furniture, jade, and art objects ranging from Japanese netsuke to Bilston enamels.

All this material, so far 3,000 items, had to be reassessed and recatalogued and that which was to go on display, cleaned. In all this work Mrs Horton has been of the greatest assistance.

Through the generosity of the Sir John Logan Campbell Trust funds were available to provide cases, and a series of these has been built and installed around the mezzanine gallery. All the existing Mackelvie cases have been removed together with the light fittings. Windows were blocked out where they interfered with the wall cases and the lighting provided from inside the cases themselves. So far

eight wall cases and one free standing case have been completed. It is hoped that the remainder of the cases will be installed during the coming year.

The eight wall cases have been used to house a collection of ceramics, beginning with pottery made without the use of the potter's wheel, through English Mediaeval, Delft, Faience and Majolica, the displacement of these by the Staffordshire pottery, and finally the Museum's fine collection of English soft paste porcelain.

Also shown is a collection of studio pottery. These displays have been greatly enhanced by the very fine lettering by Mrs Betty Brookes, and by her advice on display in general.

The ceramic collection has received several notable additions, first the material purchased during my trip in Europe and England; a valuable purchase of a group of eleven pots and a Persian carpet, and later a K'ang Hsi jar, by the Mackelvie Trustees; and long term loans of pottery from the London Museum, the Guildhall Museum and the Victoria and Albert. These loans are of material which we would find difficult to obtain ourselves.

The silver collection has been cleaned and displayed, and we have had several outstanding additions: an anonymous loan of English silver; a collection of 18th Century table silver from Dr. and Mrs E. G. Loten; a further addition to the Cummins collection from Mr and Mrs S. G. Cummins; and a collection from Mrs L. R. Whyte, together with many smaller accessions.

The Jade collection has been placed in a new display among the Oriental ceramics, and the alcove at the entrance to the Hall has been redesigned around the Museum's Chinese 18th Century wall hanging.

Several gifts of textiles, mainly Oriental, have been diverted to us from donors in England by the Keeper of Textiles at the Victoria and Albert Museum, Mr George Wingfield Digby, and we are happy to express our thanks to Mr Digby for his efforts on our behalf.

Mr W. M. Angus has been busy during the year setting our clock collection in order, and cataloguing them. He has now installed the collection in good storage conditions where they can be shown to interested visitors until the time comes when we put them on public display. Various items of the furniture collection were used in a joint Festival exhibition with the Art Gallery Associates "Contemporary Paintings and Period Furniture", and a display of oak Tudor furniture was installed at the Building Centre.

Much of the Mackelvie material is back on view but a great deal awaits permanent cases later in the year.

The identification of material and the answering of enquiries takes up a considerable amount of time, and the number of enquiries is still increasing.

While I was overseas, ceramics from many of the large museums were photographed. We now have a comprehensive collection of transparencies of the pottery and porcelain of the world. A viewing

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room has been set up, and these may be seen by appointment with the Department.

The reserve collection of arms and armour has been shifted to new quarters and we have been fortunate in having had the voluntary assistance of Mr Leon Konorowski who has been responsible for the shift, together with the preservation and restoration of much of the material.

A fine collection of arms and armour, together with an oak dining table and an 18th Century gown, have been presented by Sir Frank and Lady Mappin, the arms and armour being on display in the east War Relics Hall.

T. J. BAYLISS.



Librarian

922 books have been catalogued and added to the library during the year. The number of books actually received, however, is considerably greater, but time has not been available to catalogue them.

4600 people used the library, 6258 books and periodicals were borrowed by members, and 507 by other libraries on interloan. In addition, 312 items of non-book material were borrowed. 131 books and periodicals were borrowed for members from other libraries.

As usual, we have received many generous and valuable donations, which are too numerous to mention individually. We should, however, like to make brief mention of a few of them. Mrs Freudenberg presented about 150 books on evolution and other scientific subjects, on behalf of her late husband, Dr J. W. Freudenberg, a former member of the Institute. 147 letter books of the firm of Jackson, Russell, Tunks & West were placed here on deposit, although with restricted access on all which are less than 100 years old. The period covered is 1860-1919. The Coromandel County Council presented all its old records, including correspondence, rate books, etc. Mrs A. P. Ferguson of Wellington presented an account of the wreck of the "Wairarapa" written by Mrs Mary Louisa Ferguson, who was one of the survivors. A collection of over 1500 negatives mainly of Auckland City and Province was received from the estate of the late Mr V. C. Cooper. Many other books, photographs and manuscripts have been received.

Among paintings acquired, by purchase, were four by John Webster, which brings the number of Webster paintings held by the library to 51. Through Mr R. Longden of London, we have purchased several paintings, including a portrait by Charles Heaphy, and a Taranaki scene by Colonel H. J. Warre. In addition, Mr Longden presented some early photographs and other items. Colonel I. C. C. Mackenzie deposited three paintings, two of which and possibly the third, are by William Hodges, the artist who accompanied Cook on his second voyage. Two portraits of Maori chiefs, painted by

Thomas Ryan in 1907, were bequeathed by Mrs A. Fletcher.

At the suggestion of the late Mr Algar Williams, and with financial assistance from the Williams family, Xerox copies have been made of some of the Williams papers, and made available to other libraries. We are grateful to the Rev. L. M. Rogers for compiling the indexes to these papers. We should also like to express our sincere thanks to Mr H. B. Williams for arranging the finance.

My own research for "Centennial Street", begun in 1965, was continued during the year, and the histories of the firms represented in the "Street" were written for inclusion in the *Handbook*.

In September, Miss Deane Lowther left to take up an appointment in the Geography Department of the University of Auckland. I should like to record my great appreciation of her work during the three years of her stay here. It was not possible to fill the vacancy until March, when Miss Pamela McInnes was appointed, but we were fortunate in obtaining the services of Mrs Audrey Spear to fill the position temporarily. Until this time, Mrs Spear had been working in the library as a voluntary assistant. In addition to Mrs Spear there are several people to whom I am very greatly indebted for the work they have done in an honorary capacity. Miss Joan Caughey has continued to type manuscripts, and has assisted with other library typing; Mrs Janice Mogford, though appointed temporarily to the staff during the year to work on the Photograph Collection, had prior to this, been working on the collection in an honorary capacity. Mrs Lorraine Ricketts and Mr L. Konorowski have also given valued assistance in various ways. To all these people I wish to express my very great gratitude. Without them, not only would the burden on the permanent staff have been much heavier, but much valuable work could not have been done.

Thanks to the work which Mrs Mogford has done, the organisation of the Photographic Collection is now well in hand. All negatives have been numbered, put in glassine envelopes, and housed in steel filing drawers. Prints are being made of nearly all negatives, and this work is still in progress. The demand for copies of photographs is increasing, and this valuable collection has become a major department of the library.

An attempt is being made to overtake the backlog in the cataloguing of the Manuscript Collection. This entails a considerable amount of work in sorting collections which have been received unsorted, and in accommodating them in proper folders and boxes. Detailed inventories are being prepared of the major collections, and one of the most important of these is that of Sir John Logan Campbell, deposited here by the Sir John Logan Campbell Trust. It consists of many thousands of items, including personal and business papers. The enormous task of sorting and arranging this material, and of preparing an inventory, was undertaken by Miss Troup, who

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Illustrations

1. *White Island Expedition*. In December, 1966, Mr Wise and Mr Stephenson accompanied Mr J. R. Buttle to White Island, where useful biological observations were made. Mr Buttle, the owner of the island, transported the party in his yacht "Achernar". Considerable volcanic activity was seen, the photograph showing steam vents within the crater.
2. *White Island*. Gannetry on south-west point; pohutukawa forest on lower slopes.
3. *White Island*. A fishing boat offshore; gannetry to right.
4. *Te Pahi Station, Far North*. A Nuffield Grant for the survey of terrestrial faunas of Northland forest remnants has taken Dr Powell and Mr Wise on regular trips north during the year (the Museum's new Extension Service van is shown).
5. *Applied Arts Displays*. The development of pottery and porcelain is shown in the new displays set up with a grant provided by the Sir John Logan Campbell Trust. Displays planned by Mr Bayliss, assisted by Mrs Brookes.
6. *Oriental items*. The newly-arranged alcove (to left of main entrance) incorporates larger items from the Chinese collections: large silk embroidery, wooden statue of a Lohan, gilded bronze Buddhist figures. Mr Bayliss undertook the re-arrangement of the alcove.
7. *Naval relics, Maritime Hall*. Dr Powell's plan for the establishment of this new Hall is now almost complete: a much-appreciated accession from the Navy included the ship's book of *H.M.S. Philomel*. Shown (left to right) are the President, Mr Brooker; Captain M. J. McDowell (Commanding Officer, *H.M.N.Z.S. Philomel*) and Commodore L. G. Carr, D.S.C.
8. *Churchill Portrait*. The President, Mr Brooker (left) and Mr A. U. Wells (Chairman of the Sir John Logan Campbell Trustees) (right) on the occasion of the formal handing over of the portrait given to the citizens of the province and to the Museum by the Trustees.
9. "*Polynesia in Auckland*", the Museum's Festival Exhibition, 1966. Mrs Anna Hansen demonstrates a Tongan dance.
10. *The Conchology Section* in the field: freshwater shell collecting, Muriwai Lakes.
11. *Extended Studies Field Club*. A vacation camp was held at Tongariro National Park: Mr Wise (left) with a club member, Phillip Venville.
12. *Botany Hall Dioramas*. Mr Cappel has continued work on two new dioramas for the hall, this one to illustrate a display on Maori agriculture.

Photographs by courtesy of the New Zealand Herald (Nos. 7 and 8), and Vahry-Sindall Photography Ltd. (Nos. 5, 6 and 12).

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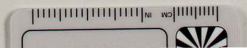
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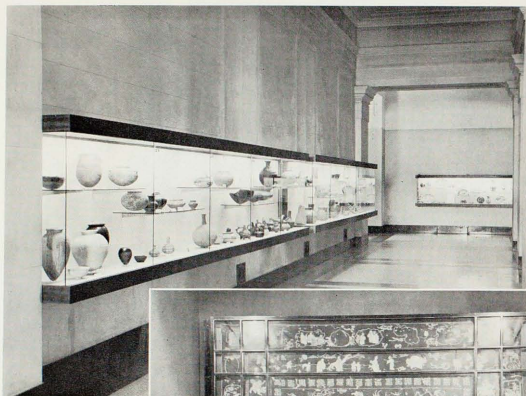


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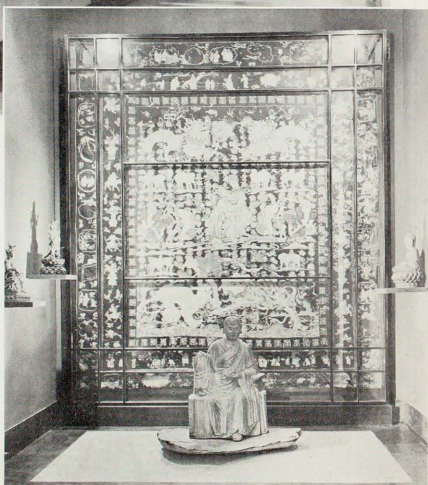
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completed it during the year. Other inventories are in preparation, and it is hoped before long to have typed copies available for loan to members.

Groups of Training College students have, as in other years, used the library for special projects. The English Association held a meeting in the library during the year, when I spoke on Early New Zealand Writing, and Miss Troup prepared an appropriate display.

In September, two Library School students spent three weeks working in the library as part of the Library School course.

In addition to the donors mentioned above, we wish to express our thanks to the following persons for donations of various kinds:— Sir Gilbert Archey, the late Commander H. A. Haynes, Dr George R. Cooley, Dr. S. Kooijman, Dr. E. H. McCormick, Dr. Mary Palmer, Dr. W. H. Pearson, Professor Yuri Arbot, Messrs A. M. Alexander, Antony Alpers, S. G. Brooker, W. J. Costello, F. M. Coster, L. B. Cowan, E. Cowell, W. G. Fairfield, G. M. Fowlds, K. Gorbey, C. M. Gordon, W. Heap, Alan Hicks, C. M. Jewell, R. R. Jones, A. E. Kemp, L. Konorowski, A. D. Mead, J. F. Miller, G. D. Moon, L. A. Mousley, B. Muir, P. P. O'Shea, C. J. Parr, L. Porteous, A. T. Pycroft, A. S. Reed, C. H. Reed, J. Richardson, J. A. Rose, J. Sandman, R. A. Scobie, R. Scott, F. M. Shepherd, R. Shepherd, G. Shroff, R. B. Sibson, C. J. Slade, K. Somerfield, A. Sutherland, N. R. W. Thomas, G. H. Turner, R. G. Wilson, Mr and Mrs W. J. Daniel, Mrs I. Barr, D. Beavis, Mrs L. Blythe, Mrs F. B. Brown, Mrs A. Clark, Mrs A. G. Harvey, Mrs M. Hoare, Mrs J. H. Jenkin, Mrs Le Marchand, Mrs K. B. Lewisham, Mrs S. P. Norrie, Mrs A. C. Pye, Mrs Rollerson, Mrs A. A. Rutherford, Mrs W. Smyth, Mrs Fforde Tipping, Mrs J. Weir, Misses R. Owen, J. Sims, E. Tunks, Army Headquarters, Alexander Turnbull Library, Auckland Public Library, Horsley's Pharmacy Ltd., Ministry of Works, Rotorua Public Library.

ENID A. EVANS.



Extension Service

Since taking up my appointment on 1st February, 1967, I have been occupied mainly in establishing contact with Local Authority offices and other institutions throughout the province on our exchange circuits. The work of the Information Desk has also been surveyed, and preliminary arrangements have been made for the coming series of Sunday Afternoon lectures.

Mr Roe continued this year with the organization of weekly demonstrations of Maori crafts in the main Maori Court, and thanks are again expressed to members of the Orakei Marae Committee and their associated helpers for coming so regularly to give the demonstrations. The raw materials for the flax weaving demonstrations i.e. an adequate supply of green flax, were obtained weekly by Mr Roe; Mr Cappell also kindly helped to supply the material on a number of occasions.

Five new circulating display panels were prepared in co-operation

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with Mrs Brookes during the year (including one since my appointment to the post), and older displays renovated.

Mr Roe also continued to organize the Museum Extended Studies groups, Mr Roberts and Mr van der Meijden assisting as instructors. The work as before included field work: Mr van der Meijden and Mr Roe also each organized a weekend camp for the group under their charge. I took over the work of organizing the groups on my appointment; the total membership for the 1967 school year is 125 (90 in 1966).

In addition, this year saw the establishment of a new organization, the Extended Studies Field Club, to comprise older children who have passed through the Extended Studies Groups — many of these children have had their interest aroused in archaeology or natural history, and it was felt that the new Club would give scope for developing this interest. The Club is now well established, its Committee including two members of the staff, Mrs Wagener and Mr Cappel. Several weekend field trips, and a more ambitious 7-days vacation camp at Tongariro National Park (organised by Mr Cappel, with Mrs Wagener and Mr Wise as additional field leaders: total of members attending 13), were undertaken with success. In order to ensure that the Club is fully effective it was necessary to restrict membership to 30; however, the Club's constitution allows for the inclusion of a limited number of outside members should vacancies occur.

Last year's Sunday Afternoon Lecture series attracted good audiences (average 70); a change was made at Mr Roe's suggestion to June-July, and the earlier dates were evidently well received.

Mr Roe again acted as the Museum's liaison officer with the Committee of the Auckland Science Teachers' Association in preparation for the Auckland Science Exhibition, held in the Lecture Hall from 18th-23rd August; at the latter exhibition, Mrs Brookes also assisted as general display organizer. In addition, Mr Roe was responsible for much organization in preparation for the main Festival exhibition "Polynesia in Auckland", and especially for the arrangements for demonstrations of dancing and of Pacific Islands crafts.

J. H. WADHAM.



Planetarium

The Planetarium, now in its eighth year of operation, has in that period been visited by 245,794 persons. It is expected that the quarter-million mark will have been passed during the coming spring. During the year under review 13,293 persons attended sessions. Of these, 10,331 came to public sessions and 2962 were children in school classes.

Teachers are beginning to realise the versatility and educational value of the planetarium as a visual aid to understanding school lessons in astronomy. This has been evident in the more frequent requests that special topics should be dealt with during class visits.

The introduction of astronomy as a subject in intermediate schools has resulted in more frequent visits by groups from these schools. Maori schools are requesting talks on Maori astronomy and an unusual request from a top form at Auckland Grammar School who were studying the Renaissance period was for a demonstration of the extent of astronomical knowledge at that time.

Handicapped children continue to visit the Planetarium for lectures adapted to their capabilities and their reactions are most rewarding. At the other extreme, the Planetarium also shares in the activities of Extended Studies groups at the Museum. Girl Guides have discovered there is no need to wait for clear skies to gain their astronomers' badges. They now pass their tests in the Planetarium.

A highly successful experiment during April was arranged by Mr Hall, of the North Shore Teachers' College. Forty-eight of his students with no knowledge of the stars attended a lecture on star recognition and then moved out into the Domain to locate the stars and constellations in the real sky.

The installation of an extractor fan in December made a vast difference to the comfort of patrons during the hot months. The air is now always cool and fresh. The instrument was cleaned and overhauled in February.

The assistant lecturer, Mr E. E. Curtis, retired at Christmas and his place has been taken by Mr J. B. Orr.

R. A. McINTOSH.



School Service

Summary of services for the year ended 31st December, 1966.

Attendances for one-hour lessons:

Primary	Intermediate	Post-Primary	Total
32,525	3,606	3,675	39,806
Student-Teachers on Section:			
79		6	85
Numbers in visiting Student-Teachers Classes:			772
Schools regularly receiving loan materials:			
City	Provincial		
75	395		470

Essentially this has been a year of readjustment. The national-wide reorganisation of the teacher training system has not been without repercussions on this service. Traditionally the Museum has been linked with the Auckland Teachers' College, whose arrangements over the years have yielded an almost continuous supply of students teaching in the Museum throughout the academic session. Modern teacher training requirements, however, call for a different organization, which has resulted in an intermittent flow of student-teachers. Consequently the amount of time when students have been available to assist in teaching has been reduced — a factor of considerable

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consequence when the typical visiting unit is not a class, but a large busload of children.

The emphasis this year, therefore, has been on evolving "self-help" techniques which can be effectively implemented by enthusiastic teachers, or willing parents, to yield results comparable to those with the more personal touch. The response from the schools has been most encouraging. Nevertheless, this is only a beginning and further efforts must be made to improve the teaching of large groups of children with a low teacher ratio. In this respect the help of the Auckland Education Board in supplying teaching aids in the form of a tape recorder and an overhead projector has been greatly appreciated.

Under such circumstances, it might seem feasible to ration the amount of teaching time to expedite this developmental work. Such is the demand for this type of learning, however, that it virtually has been impossible — which is both a tribute to museum methods of teaching, and a comment on the needs of the ever-increasing school population of the Auckland Province.

The training of the student-teachers themselves has been greatly facilitated by the excellent new quarters set up by the Museum and equipped by the Auckland Education Board. They can now function responsibly in a completely mature milieu. A major contribution has occurred in the post-primary field, which resulted from the efforts of groups of students and their lecturers, Miss S. Morton and Mr J. W. Quinn, of the Secondary Teachers' College, over the past three years, in setting up a course in Social Studies in the Museum for Forms 3 and 4. This year the course was so successful that the scheme may well be regarded as established. The response of schools outside Metropolitan Auckland was most rewarding. In one way or another, all the Teachers' Colleges have taken advantage of facilities offered by the Museum.

The demand for the Loan Service to Schools continues as firmly as ever. Unfortunately, as a result of its new organisation, Ardmore Teachers' College could no longer act as a distributing centre for loan material in its region, which has been a major contribution. We are most grateful for the generous efforts of both the staff and the students in helping this service. Against this loss it has been possible to set up three new circuits, involving twelve schools. Preparations are well in hand to incorporate another twelve schools early next year.

Further activities involved lecturing to a party of 87 members of the Comparative Education Society of America and conducting them around the Maori Court: holding a session with the Science Advisors of the Auckland and South Auckland Education Boards — the first since the two Boards were formed, and a most profitable occasion; briefing a group of secondary teachers from six South-East Asian countries on the significance of museums in education; and familiarising ourselves to some extent with the large display, "Centennial Street" which opens in the Museum next year.

But the basic problem remains of reconciling our efforts and range of activities under these changed conditions to the needs of the schools and the ever-increasing school population.

RICHARD A. SCOBIE.

Experiments in Preservation of Botanical Specimens

by L. J. Cappel, Preparator

When the proposed work on the Hall of Botany was discussed soon after my appointment, it was clear that the installations would require several different preservation techniques, and possibly a good deal of experiment if the problems involved in showing plant material to advantage were to be overcome. A brief outline is given below of some of the techniques explored over the past two years.

Little has been done and less published concerning the preservation and preparation of botanical material for display purposes. Most museums, if they have a Botany Hall at all, employ various casting techniques for wax, plastic or even glass models. These models can be most successful, but their construction is very time-consuming.

At the present time, four procedures are available to the preparator aiming to preserve material for display. The most recent one, freeze drying, gives excellent results, but is unfortunately rather expensive. The three other techniques, fluid mounting, pickling and and dry mounting, are practicable only for a limited range of species.

Most plant material for miniature dioramas can be adequately preserved in borax, but for life-sized plant material considerable improvements in technique are necessary. I was first able to successfully modify the standard glycerine/acetone pickle to preserve sprays, and have used this in the native timber case. However, glycerine pickle will never be adequate to prepare less woody material. In an effort to find better techniques I have now conducted an extensive series of experiments and it is hoped that these will not only greatly benefit my own work, but that one of the simpler mixtures will also be useful for marine material.

I believe that sodium silicate has not previously been used in botanical preserving techniques. My tests have now shown it to have excellent properties as a fixative, especially if combined with sodium sulfite. In weak solutions it penetrates live plant tissue very rapidly, fixing both colour and shape. This is particularly noticeable with softer material such as clover. By following up the sodium silicate fixative with a series of baths including a wax-like polyethyleneglycol, I can now dry-mount clover and other fragile plants without any sign of shrinkage. My experiments show that in botanical work this polyethyleneglycol acts in a similar manner to glycerine, but without the drawbacks inherent in the latter.

The same series of tests produced two other possible fluid-mounting media, promising for the preservation of colour and shape, and experiments with these are continuing.

List of Benefactions
made to the
Auckland Institute and Museum
of an amount (or value) exceeding £50.

MONETARY GIFTS.

- 1876 Auckland Citizens: £2,026 subscribed towards first building.
1878 Mr. J. C. Firth donated £106 for show cases.
1884 Mr. Edw. Costley bequeathed £12,150.
1887 Mr. David Nathan bequeathed £100.
1897 Mr. T. Russell donated £100 for geological specimens.
1901 Auckland Citizens subscribed £1,000 for Mair Collection.
1902 Mr. E. A. Mackechnie bequeathed £2,500.
1906 Auckland Citizens subscribed £662 for carved houses.
1911 Auckland Citizens subscribed £684 for ancient carvings.
1913 Sir John Logan Campbell bequeathed £1,000.
1921 Institute Members subscribed £115 for Temple Bronzes.
1923 Sir Wm. H. Herries bequeathed £1,000.
1924 Citizens subscribed £698 for Maori collections.
1925 Institute Members subscribed £100 for Maori collection.
1926 Sir James Gunson Presentation Committee presented £118 for Maori collection. Mr. David Goldie bequeathed £1,000.
1927 Mr. F. Shaw bequeathed £1,000.
1929 Mr. S. J. Ambury bequeathed £250.
1934 Mrs. R. M. Wilson: £50/10/-, given to establish the Sir Edwin Mitchelson Prize Fund.
1940 Mr. Maurice Harding bequeathed £500.
1941 Mr. Ormsby Gore Adams bequeathed £100.
1942 Mr. J. A. Pond bequeathed £100 to commemorate the scientific achievements of Thomas F. Cheeseman.
1944 Mr. E. Earle Vaile gave two blocks of shops and residences worth £10,000 as an endowment for ethnological collections and books.
Mr. R. C. Horton gave £200 towards extending the mineral collection.
Sir Albert and Lady Ellis gave £150 for Library book-cases. £428 received on account of a bequest by Mr. C. V. Houghton. Mitchelson Prize Fund increased to £100.
1945 Mrs. Bertha Wilson gave £2,000 as an endowment for Cinematography.
Auckland Savings Bank gave £500 for improvements to Exhibition Halls.
Auckland Electric Power Board gave £100.
Mr. R. C. Horton gave £70 for purchase of Georgian Silver Tea Set.
Sir Cecil Leys and Lieutenant T. H. Leys, R.N.Z.N., gave £500 for purchase of ethnographical specimens.
1946 Mr. E. Earle Vaile: Gave a freehold section with a two-storey building in Queen Street worth over £30,000 as a further endowment for ethnographical collections and books.

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- 1947 Auckland Savings Bank Centennial Gift of £5,000.
Mr. A. V. Hanson bequest of approximately £2,000.
- 1948 Mr. E. P. Mitchelson, bequest of £1,000.
- 1950 Mrs. Sarah Ann Powley, bequest of £171.
Sir Cecil Leys bequeathed £1,000.
- 1951 Mrs. Bertha Wilson gave £1,000 endowment for photography.
- 1952 Mr. James C. Entrican: Bequest of £1,000 for numismatics.
- 1954 Captain G. A. Humphreys-Davies: Bequest of £500.
Sir Albert Ellis, C.M.G.: Bequest of £100.
- 1956 Sir Alexander Johnstone, O.B.E., Q.C.: Bequest of £500.
Sir William Goodfellow: £100 for early English ceramics.
Sir Carrick Robertson, F.R.C.S.: Endowment of £600 for research on offshore islands.
- 1960 Auckland Savings Bank gave £500 to furnish the Cheeseman Herbarium.
A Member gave £75 towards furnishing the Herbarium.
Mr. W. B. Dixon Stroud gave £142 towards equipping and furnishing the Marine Zoology store and study rooms.
£1000 received from an Institute Member to extend popular science publications.
- 1961 Sir William Goodfellow: £250 towards purchase of van; £150 for purchase of porcelain.
Mr. L. J. Ayre: bequeathed £852.
Auckland Savings Bank gave £600 for equipping the children's hobbies room.
Mr. H. J. Atkinson: bequeathed £685.
Dr. J. A. Clinch: bequeathed £500.
Anonymous: £500 for the memorial halls.
Miss E. L. Hellaby: £100 for the memorial halls.
Institute Member: £200 for exhibition halls.
Sir James Fletcher and colleague firms: Materials for equipping hobbies' room and staff room.
- 1962 Mr. H. D. Buddle: bequeathed £1,000 and many books.
Sir John Logan Campbell Trust: £2,400 grant for display hall.
Miss E. L. Hellaby: £100 for memorial halls.
Mr. John Seabrook: £250 for micro-film reader.
Mr. W. B. Dixon Stroud: \$6,000 for Dr. Powell's molluscan research.
- 1963 Messrs. E. A. Astley and Sons: £100.
Miss C. A. Atkinson: bequeathed £53/14/2.
Auckland Savings Bank: £5,000 for new exhibition halls.
Sir John Logan Campbell Trust: £4,000 for new Hall of Ornithology.
Sir William Goodfellow: £100.
Miss E. L. Hellaby: £100 for memorial halls.
- 1964 Miss E. L. Hellaby: donation of £100.
Miss Josephine McClymont: donation of £200.
Sir John Logan Campbell Trust: £2,500 for exhibition hall.
Auckland Savings Bank: £2,000; administrative area, finishing.
Auckland Lions' Club: £116 for display case.
- 1965 Auckland Savings Bank: £2,000 for Maritime Hall.
Mr W. H. Cocker, C.M.G.: bequeathed £100 for show-case to house collection of sake bottles and snuff bottles.
Miss E. L. Hellaby: donation of £100.
Mr S. Klippel: bequeathed £250.
Mr J. A. Stacey: donation of £100.
Mr W. B. Dixon Stroud: \$4,000 for Dr. Powell's molluscan research.

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- 1966 **Auckland Maritime Society:** £200 towards purchase of Lloyd's Register of Shipping.
Auckland Savings Bank: £2,000 for exhibition halls.
Sir John Logan Campbell Trust: £2,000 for lighting in exhibition halls.
Mrs E. E. Fraser: bequeathed £2,619.
Miss E. L. Hellaby: donation of £100.
Mr C. V. Houghton residuary estate: £627.
£200 received on account of a bequest by **Mr W. T. King.**
Mrs J. McLennan: bequeathed £1,000 as an endowment for visual aids equipment for school service.
- 1967 **Auckland Savings Bank:** £1,000 for entomological cabinets and equipment.
Sir John Logan Campbell Trust: £1,050 to commission portrait of Sir Winston Churchill by Edward Halliday.
Miss E. L. Donald: bequeathed £500.
Miss E. L. Hellaby: donation of £100.
Mr W. T. King: £955 as residue of bequest.

SPECIMENS AND BOOKS.

- 1876 **Mr. R. C. Barstow:** Large collection of Maori articles.
1877 **Mr. G. F. Edmonston:** 564 volumes of scientific works.
1878 **Mr. T. Russell, C.M.G.:** 34 casts from the antique.
1878-83 **Mr. J. T. MacKelvie:** 390 books and ethnology collection.
1887 **Mr. C. O. Davis:** Valuable Maori collection.
1901 **Mr. L. D. Nathan:** Japanese Shinto Shrine.
1913 **Mr. Henry Shaw and Mr. F. Shaw:** 172 scientific books. **Hon. Sir Edwin Mitchellson:** Valuable Kauri Gum collection.
1915 **Dr. C. E. R. Bucknill:** Collection of Old English Glass.
1916 **Mr. Henry Shaw:** Collection of Japanese art.
1917 **Miss Ruth Northcroft:** Large Maori and Polynesian Collection
1919 **The Misses Yates:** Collection of Indian weapons.
1920 **Mr. James Dunning:** Collection of North American Mammals
1921 **Mr. W. A. Aldred:** Valuable collection of Maori specimens.
Hon. J. B. Turner: Important Fijian ethnographical collection
1923 **Mr. T. F. Cheeseman, F.L.S., F.N.Z.Inst.:** The Cheeseman Herbarium of native and foreign plants.
1924 **Mr. Wm. Sutherland:** Melanesian ethnographical collection.
Mr. A. C. Caughey: Fijian and New Hebridean ethnographical collection.
Mr. R. A. Meek: Ethnographical specimens from Bismarck Group. **Messrs. Samuel Vaile & Sons:** Large collection of Maori greenstone articles. **Sir Cecil Leys and Mrs. Selwyn Upton:** The Edge-Partington ethnographical collection of over 2,000 specimens, given in memory of their father, Dr. T. W. Leys.
1925 **Mr. F. Crossley Mappin:** Valuable Maori and South Pacific exhibits.
1926 **Mr. Geo. F. Webster:** Valuable Maori antiquities.
Mr. H. R. Butcher: Collection of British coins.
Mrs. E. M. Ball: The Thos. Ball Zoological collection.
Mr. F. Crossley Mappin: Ancient Chinese ceramic specimens
Mr. Hallyburton Johnstone: Silver cup presented by Queen Victoria in 1878 to the Royal George Yacht Club.
1927 **Mr. F. Crossley Mappin:** Valuable Maori carvings.
Mr. Moss Davis: Valuable ethnographical specimens.
1928 **Sir Cecil Leys and Mrs. Selwyn Upton:** Unique and richly carved feather box.

- Mr. J. R. Adams Wilkes: Ethnographical collections from Nigeria and New Guinea.
- Mr. Harry Kinder: The Dr. Kinder Collection—Maori and Melanesian.
- Mr. E. Earle Vaile: Important collection of Maori stone carvings and collection of Eastern ethnographical specimens.
- 1929 Mrs. S. J. Lushington: Large collection of mollusca.
- Mr. T. H. Barstow: Maori canoe prows and stern posts.
- Mr. W. R. McGregor: New Ireland carved memorial figures.
- Mrs., Miss and Mr. A. N. Cooper: The Charles Cooper collection of mollusca.
- Rev. W. H. Webster: Large collection of mollusca.
- Mr. C. E. Clarke: Large collection of N.Z. Insects.
- Executors Mr. W. M. Cole: Stone and Bronze Age Artifacts.
- Miss Webster and Mr. G. F. Webster: Water-colour drawings of the Solomon Islands.
- 1930 Mr. John Kenderdine: Large collection of books and pamphlets, including rare early New Zealand works. Mr. H. E. Vaile: A large collection of Maori implements and greenstone ornaments. Mr. Moss Davis: Selected Maori exhibits; also porcelain and ivory. Mr. L. J. Matthews: Two specimens of Moa eggs. Dr. L. Cockayne: Large collection of N.Z. plants.
- 1931 Sir Cecil Leys and Mrs. Selwyn Upton: Valuable Maori antiquities: additions to the Dr. T. W. Leys collection. Mrs. S. J. Lushington: Collection of Silver and Sheffield Plate. Mrs. A. C. Lennard: Collection of English porcelain.
- Lt-Colonel A. R. Hughes: Collections of birds and mollusca from Ceylon.
- 1932 Mr. H. S. Dudley: Large and valuable collection of Oriental Arts. Mr. Moss Davis: British Gold and Silver Coins and European Ivories and Bronzes. Hon. Sir James Parr: Gold and Silver Mementoes of public events in New Zealand, and case for their display.
- 1933 Vaile Collection: Additional gift of many valuable Maori antiquities. Mr. W. Goodfellow: Extensive ethnographical collection from Northern Melanesia.
- 1934 Miss Eleanor Brown and Mrs. Geo. Brownlee: Collection of heirlooms of the Ngati-toa and Ngati-awa Tribes.
- Messrs. R. B. & G. Matthews: The H.B. Matthews Herbarium.
- 1935 Mr. F. Crossley Mappin: Maori Specimens, including hand-somely carved sternpost.
- The Admiralty: Model of H.M.S. New Zealand.
- 1936 Captain G. Humphreys-Davies: Large and valuable collection of Chinese pottery figures. Mrs. T. G. Russell: 235 volumes of chemical and physical works from the library of her father, the late Professor Brown. Mr. E. Earle Vaile: Valuable Maori hei-tiki and Rapa Island stone artifacts. The Estate of the late H. E. Vaile: Maori and Polynesian ethnographical collection; carvings and ornaments.
- 1937 Mr. E. Earle Vaile: Collection of ethnographical specimens and six Italian bronzes. Sir Algernon Thomas: Library of scientific books and papers.
- 1938 Mr. E. Earle Vaile: Gift of many early New Zealand books and journals. Mr. J. R. le B. Tomlin: Gift of valuable early editions of natural history works. Mr. F. Crossley Mappin: Early Chinese Pottery and Bronzes.

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- 1939 Mr. E. Earle Vaile: Maori carvings, large Melanesian collection and gifts to the Library. Mr. J. R. le B. Tomlin: Gift of early Worcester china and early works on natural history. Mr. W. Goodfellow: Large Melanesian collection.
- 1941 Mr. H. R. Jenkins: Historic anchor associated with the ill-fated H.M.S. Bounty. Mrs. T. G. Russell: 500 volumes of botanical and biographic works from the library of her father, the late Professor Brown.
- Mr. Ormsby Gore Adams bequeathed cinema camera, photographic equipment and nature films.
- 1942 Mrs. A. A. Richardson: The late Mr. J. D. Richardson's extensive collection of early Auckland photographs and lantern slides.
- Col. the Hon. F. Waite, D.S.O., M.L.C.: Large collection of Egyptian pre-dynastic artifacts, flints, slate palettes, and pottery 7500-4300 B.C.; also pottery lamps of Egyptian, Roman, Greek and Arabic manufacture.
- 1943 Captain G. A. Humphreys-Davies: His extensive and valuable collection of Chinese arts. Mr. E. Earle Vaile: Large collection of books and pamphlets on exploration and early life in the South Pacific. Mrs. W. H. Hemingway: The late Mr. Hemingway's display and cabinet collections of insects. Colonel the Hon. F. Waite, D.S.O., M.L.C.: Further collections from Egyptian Pre-dynastic, Dynastic and Ptolemaic periods.
- 1944 Mrs. B. Quigley and Miss E. Kenderdine: Large number of books on early New Zealand history. Mr. E. Earle Vaile: Collection of works on South Pacific exploration and New Zealand history. Captain G. A. Humphreys-Davies: Ancient Chinese bronze sculpture. Mr. J. C. Entrican: Large collection of Eastern Polynesian stone implements.
- 1945 Mr. W. G. White: A valuable very representative collection of Worcester and Chelsea China. Mr. E. Earle Vaile: Important Maori Ethnographical Collections, and books on South Pacific Exploration and New Zealand History.
- 1947 Lady Leys Fund, Sir James Gunson Fund, and E. Earle Vaile Fund: Collection of 60 greenstone hei tiki and greenstone adzes purchased in England.
- Mr. Jas. C. Entrican: Gave his extensive collection of medals and coins and library of books on Numismatics.
- Mr. Geo. Finn: Presented a collection of books and newspaper records, reports and illustrations collected over a number of years.
- Lieutenant A. G. Carnahan, R.N.R.: Presented Viscount Jellicoe's racing 14-footer "Iron Duke."
- 1948 Sir Frank Mappin: 16mm Cine-sound projector.
- 1949 Mr. and Mrs. J. Yock: Old English sterling silver salver.
- 1950 Mrs. J. P. Campbell: Eighteenth century inlaid sideboard.
- Mr. Wm. Goodfellow: Delft vase and other early ceramics.
- Mr. V. J. Larner: Early china and delft vase.
- 1951 Mrs. Goldie: Twenty portraits of Maoris by the late Mr. C. F. Goldie.
- Rev. Harry Johnson: Extensive collection of native arts and crafts from Tanganyika.
- Rev. Charles Palmer: Melanesian ethnographical collection; mementoes of Bishop Selwyn and early New Zealand books.

- Mr. W. J. Crowther: Selected examples of English porcelain and eighteenth century silver plate.
- 1952 Mr. E. Earle Vaile: Selected early works on discovery and exploration in the Pacific.
Sir Frank Mappin: Eighteenth century silver and Sheffield plate.
New Zealand Insurance Company: Suite of large cabinets and library furniture.
Mr. William Goodfellow: Three Maori portraits by Lindauer.
Sir Carrick Robertson: Collection of Zulu ornaments.
Lieut.-Commander J. F. A. O'Neill, D.S.C.: Ethnographical collection from Tikopia.
Miss W. S. Dudley and Miss Jean Robertson: Pencil and wash drawings of early New Zealand, by Major Charles Heaphy.
- 1954 Mrs. Robert Cooper: Collection of botanical books and book-cases.
Sir Frank Mappin: William and Mary walnut cabinet and early seventeenth century chairs.
Mrs. P. Sklenars: Model of four-masted barque "Pamir" made by her father, Mr. W. S. Nelson.
- 1955 Dr. J. A. Clinch: English silver and Sheffield plate.
Sir Ernest and Lady Davis: Portrait of Sir Edmund Hillary, K.B.E.
Mrs. A. M. Ferguson, O.B.E.: Maori and Oceanic ethnographical collection.
Mr. C. Roose: Set of 2000 charts of the Pacific.
Mr. G. J. H. Ovenden: Full set of publications of Palestine Exploration Fund.
Wellcome Museum Trustees: extensive selection of ethnological specimens.
- 1956 Miss E. Blumhardt: Large set of her paintings of native flowers.
The Misses C. M. and I. F. Stewart: Collection of Maori greenstone ornaments and weapons.
Sir Ernest Davis: Portrait of H.M. the Queen.
Mr. John Pybus: Five moa skeletons from Waitomo district.
- 1958 Rev. Canon Hubert Jones: Sets of English West-Coun'ry history.
- 1959 Mrs. R. Rose: English Sheraton Cabinet and Japanese lacquer and inlay cabinet.
Dr. Marjorie Young: Collection of ethnographical specimens from New Guinea highlands.
Sir Frank Mappin: English eighteenth century mahogany bureau-secretaire.
- 1960 Farmers Trading Company's Jubilee gift of a Spitz Planetarium with full range of accessories, the planetarium building and furnishings.
Sir Ernest Davis: Portrait of Lord Freyberg.
Sir Frank Mappin: Two oil paintings for council room and exhibition hall.
Mr. L. J. Ayre: Extensive philatelic collection and a monetary bequest.
Miss Lina V. Bruce: 18th century north country spinning wheel.

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- Mrs. Susan Payne: library cabinets, philatelic and ethnographical collections.
- 1961 Mr. Leo White: Series of coloured wall display photographs of Auckland.
Auckland Citizen: Portrait of His Excellency the Governor-General.
Northern Steamship Company: Builder's model of "Whakaterere" and "Manaia".
Union Steamship Company: Builder's model of "Ormonde".
- 1962 Mrs. Blanche Halcombe: books, collections of native birds and ethnological articles.
Sir Ernest Davis: large model sailing ship.
Mrs. E. E. Goodhue: collection of Northland greenstone ornaments.
Miss M. F. Hoole: bequeathed a Sheraton sofa table.
Dr. and Mrs. J. L. Newman: large Chinese silk and gold embroidery.
The Countess of Orford: Water colour drawing of Auckland by J. C. Hoyte.
Mrs. G. R. S. Fisher: Notable examples of early English-Continental lace.
- 1963 Sir John Logan Campbell Trust: Library furnishings.
Mr. W. Kingsley: collection of books on Naval history.
Mr. E. F. Hilton: large collection of shells including rare species; Northern Australia and Tropical Pacific.
- 1964 Miss J. Winifred Shaw: Chinese lacquered work-table.
Sir James Gunson: silver model of first War Memorial building.
Mr. L. Alfred Eady: early Collard piano.
Mr. Peter A. N. Nathan: Chinese carved screen.
Mr. Lacy K. Neilson: Maori carved pataka base.
Mr. A. D. W. Walcott: Merlin air engine.
New Zealand Insurance Company: Board-room tables, chairs and book-cases.
Mr. C. W. Hawkins: Models of Auckland sailing ships.
Mr. H. R. W. Thomas: Set of book-shelves.
Mr. C. A. Gordon: Bequest of several thousand books.
Mr. R. B. Sibson: Descourtilz, Ornithologie Bresilienne.
Mr. E. J. Mitchelson: Dressing table of New Zealand woods.
Mrs. Doris Gordon and Miss Gladys Holman: Drawings by John Johnson, first Colonial surgeon.
Mr. W. H. Cocker, C.M.G.: collections of Japanese sake bottles and snuff bottles and £100 for show-case.
- 1965 Mr. P. A. Lawlor: Walpole collection: books and pamphlets.
Mr. James Pascoe: Two Dresden vases.
Lady Richmond, Mrs. H. Kinder, Mr. P. B. Phillips: nine paintings of vessels of the Craig Line.
Mr. J. F. Stewart: Tokipoutangata, mere pounamu and kotiate.
- 1966 Auckland City Council: Collection of three-dimensional items formerly part of the Old Colonists Museum.
- 1967 Mr Noel Cole: Portrait of Sir Peter Buck (Te Rangi Hiroa).
Mr V. C. Cooper: Collection of New Zealand and Australian stamps.
Lady Mappin: Georgian ball gown.
Sir Frank Mappin: Collection of European arms and armour, and oak dining table.
Royal New Zealand Navv: Model of H.M.N.Z.S. "Royalist", ship's book and other relics of H.M.S. "Philomel".

ACCESSIONS 1966-67

- Mr K. Allen: Forty-eight pieces of antique silver.
 Anonymous: Earthenware hot water bottle, kettle, leather hatbox, 'go ashore' cooking pot, camp oven, grindstone, buttonhook, spectacles, silver pencil holder.
 Mrs M. Bagnall: Fan, collar lace.
 Miss N. R. Bamford: Cup and saucer.
 Mrs I. L. Barr: Three hundred and fifty packets of New Zealand mosses; thirty-one letters from K. W. Allison.
 Mrs L. D. Benfell: Framed shell picture, two China ornaments under glass domes.
 Mrs L. Birks: Two pottery bowls made in 1965; Nayawa, Fiji.
 Mr D. Black: Book "Beautiful Pictures" (1877).
 Mrs L. Blythe: Ferns and seaweeds collected prior to 1896, collection of native birds, feather muff, book "Etiquette for Ladies", five greeting cards, earthenware bottle, metal inkstand, two galvanised tubs, flat iron, collection of white cotton underwear.
 Mrs George Bolt: French clock.
 Mrs H. S. Bongard: Map.
 Miss E. M. Booth: Shakespeare memorial pot, lustre jug, glass biscuit container, lidded glass sugar basin, condiment cruet, specimen vase, lamp glass, sausage machine, stereoscope, gentleman's handworked waistcoat, bedroom basin, jug, water carafe, ladies companion, traveller's collapsible mug, traveller's inkwell, two waterchains, silver brooch, two glass salt cellars, Lambeth pottery mug, child's rocking chair, table desk, box of homeopathic medicines and book, two Bible lotto games, collection of hatpins, pair of wooden butter pats, collection of children's games, clothes brush and mirror, compass, syringe, button, two pocket knives, lacquer trinket box, hair brooch, watch chain, tidy, metal crochet hooks in holder, metal needle holder, canbo game, dinner gong, lady's silver watch, honeycomb quilt, nightdress case, tablecloth, cummerbund, apron, linen hand towel, linen cover, three linen runners, edged runner, two crocheted food covers, antimacassar, silk handkerchiefs, photographs.
 Mr Brambley: Archaeological midden material.
 Mr Roy Bree: Two stone adzes and sample of obsidian; Maihihi, Otorohanga.
 Miss D. Brewster: Wax doll.
 Mrs F. B. Brown: Christening gown.
 Cadbury Bros. Ltd, Birmingham: Collection of very early chocolate labels.
 Mrs E. Calder: Walnut and inlay workbox, glove stretchers, lace edged handkerchief in original box, brass bound mahogany tea caddy.
 Campbell & Ehrenfried Co. Ltd: Six wooden casks.
 Mrs H. Carr: Watercolour painting "Over the Ypres Salient" by W. G. Wylie.
 Mrs S. Carter: Two valentines, ivory needle case, crochet hook in case, three aerated water bottles.
 Mr Len Castle: One salt glaze vase; 1 dish, Hamada; two pottery pieces, Rancich.
 Dr T. D. C. Childs: Wooden dance wand; Tonga.
 Mr Ray Chapman Taylor: Sixteen pots, African and studio pottery, one Japanese embroidery, one calabash, one Munakata painting.
 Dr H. A. Chatfield: Knocker from house built by Sir John Logan Campbell, pistol and bullet, tandem whip.
 Mr Frank Clarke: One silver medal, one bronze medal.
 Miss H. V. C. Clifford: Silver gilt spoon.
 Mr Ross Cocks: Collection of birds eggs.
 Mr J. B. Cooper: One sinker, two obsidian flakes; Mokau Riverbed.
 Dr R. C. Cooper: Eight sinkers, one pounder; Peach Island, Mokau River.

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- Mr V. C. Cooper: Plate camera and accessories, three film tanks, ruby lamp, developing trays, scales, photograph frame, bedroom jug, two New Zealand uniforms, collection of badges and buttons.
- Mr T. A. Creasley: Bedcover; Canada.
- Mr and Mrs S. G. Cummins: Thirty-four pieces of silver 18th Century, one copper preserving pan.
- Mrs C. Curlett: Shaving mug.
- Mr Anthony J. Churton: Ivory plaque in form of large serving dish.
- Mrs J. Daniels: Three pieces of silver, two spoons, one tray.
- Mrs Davidson: Edwardian parasol.
- Mr H. Day: Harpoon head with two hinged barbs.
- Mr J. L. Dearing: Bronze axe, two flint spear heads, one flint implement.
- Mr H. Dearsly: Woolwinder, soapstone ornament, ships nail.
- Dr G. de Clive Lowe: Tantalus with four decanters.
- Mr John Delugar: Certificate won by J. Robertson for flax exhibited at London Exhibition 1851.
- Donaghy's Rope & Twine Co. Ltd: Ropes.
- Mr Donovan: Pair of spectacles in case.
- Miss E. Duncan: Scythian bracelet.
- Mrs Eaton: Collection of Chinese needlework.
- Miss D. Edwards: Doll.
- Mr F. G. Fairfield: Eleven firearms and various accoutrements, pastry marker and spare kitchen table, butler's tray on stand, military chest.
- Miss E. Fisher: Dragon robe; China.
- Mrs Natalie Forster: Dutch seascape, collection of French and South American silver.
- Mr William Forsdick: Toy wooden chest of drawers.
- Mr G. F. H. Forsyth, J.P.: Beatty's message on the death of Queen Alexandra.
- Mrs E. Gallagher: Two sun bonnets, China doll, buttonhole cutter, photograph.
- Mrs Tasi Gallahar: Piece of *tapa*; Tonga.
- Mr N. Gardner: Fifty-three lots of identified species of land snails; North Island, New Zealand.
- Geological and Mining Museum, Sydney: Fourteen specimens of fossil plants: New South Wales, Australia.
- Mrs Rose Gleeson: Two Italian Crosses World War I, Commemorative medallion of visit of H.M.S. "New Zealand", 1913.
- Miss D. Goldsworthy: Mixing bowl.
- Miss E. A. Grant: Book of pressed ferns.
- Mrs K. H. Hamilton: Cane cot.
- Mrs V. Haszard: Ornamental gilt and plush stand for sewing cottons under glass dome.
- Mr E. D. Hatch: Specimen of *Yoania australis* and kodachromes of rare orchids; New Zealand.
- Mrs Carlton Hay: *Korowai* cloak; New Zealand.
- Mr A. Hill: Tobacco cutter, cigar cutter.
- Horsley's Pharmacy: Mortar, pill making device, scales.
- Mrs W. M. Horton: Four pieces of Coptic silver; Ethiopia. Delft plate; England.
- Mr F. H. I. Hunt: One silver tankard.
- Hutchinsons Wholesale Ltd: Wooden cask.
- Mrs Jefcoate-Harbutt: Pair of lady's patterned stockings.
- Mr C. H. Jemison: Set of hames for horse collar.
- Mr P. Jew: One hundred and thirty-seven sheets of dried plants; London.
- Mr R. G. W. Jolly: Archaeological material from several small excavations.
- Miss Als Jones: Gentleman's evening cloak.
- Miss F. Kelly: Stone adze; Great Barrier Island. Stone knobbed sinker; Orewa.

- Mrs C. V. Kenworthy: Wooden pounder; Northland.
 Mr G. O. Knaggs: Carved wooden figure; Melanesia.
 Mr F. Knight: Quill pen, miniature scales, book plate.
 Mr L. L. Konorowski: Stone adze; Mangere.
 Keith Lamb Ltd: Pharmaceutical items.
 Miss A. Leahy: Two wooden pounders; Patetonga.
 Lieutenant Colonel D. Laird: Brass coal scuttle, table.
 Mrs A. L. Lemarchand: Brooch, hand woven sheet.
 Mr L. C. Lloyd: Twelve coloured prints.
 London and Guildhall Museum, London: Twenty-three pieces of English pottery; London.
 Mr R. H. Longden: Silesian glass tankard.
 Dr E. G. Loten: Twenty pieces 18th Century silver.
 Flight Lieutenant D. G. McAllister: Large roll of *tapa* cloth, used at the funeral ceremonies of Queen Salote; Tonga.
 Mr John MacDonald: Glass tankard, Wedgewood pearl plate.
 Mr R. McKenzie: Coulter for 1820 Butler plough; Kerikeri.
 Mackelvie Trust: Kelim carpet, ten pieces of European and Oriental pottery.
 Miss E. McKeogh: Antimacassar.
 Mr N. S. McLeod: South African war relics.
 Manurewa Children's Home: Doll's pram, China doll, pair of ping pong bats.
 Sir Frank Mappin: Dining table.
 Lady Mappin: Set of hand made knives and forks made in Ireland and brought to New Zealand in the early 1800's; 18th Century ball gown.
 Mr D. W. Menzies: *Kumara* weeder (*ketu*); Coroglen.
 Mr C. E. Morley: Plate camera in case.
 Mr K. P. Morton: Two stone adzes; Takapuna Beach.
 Museum of Transport and Technology: Three wooden blocks.
 Mr Harold J. Neeson: Stone adze; Woods Bay, Titirangi.
 New Zealand Breweries: Brass brackets for hotel bar rail, two spirit bottle holders.
 New Zealand Crete Veterans Association: Two Cretan Winged Daggers. Plaque commemorating the Battle of Crete.
 New Zealand Forest Products Ltd: Paper mould for making hand made paper; Canada.
 Mrs T. Nolan: Collection of badges and leather belt with badges, World War I.
 Mrs G. Nottidge: Chinese embroidery, four jackets, one shirt, four strips of trimming, one ornament.
 Miss Alma O'Neill: *Kiekie* kit; Rotorua. Flax kit; Murupara. Bedroom basin and ewer.
 Lieutenant Commander J. F. A. O'Neill: Set of eight photographs showing the havoc wrought by the Samoan Hurricane of 1889, from which only H.M.S. "Calliope" steamed to safety.
 Miss G. Owen: Knobbed sinker; Browns Bay, Auckland.
 Miss R. Owen: Greenstone adze, two stone adzes; New Zealand.
 Pacific Island Congregational Church: *Pandanus* hat and basket; Niue Island.
 Mrs H. J. Palmer: Blue and white saucer; China.
 Mrs M. Parker: Kauri gum scales.
 Mr Peter Parsons: Ready reckoner, shaving mug.
 Mr P. Pasley: Marble topped washstand, bedroom basin, jug, soap dish, toothbrush holder and carafe and tumbler.
 Mr G. W. Pearson: Two paintings and a prayer book.
 Mrs W. H. Pellow: Hand made floor rug.
 Mrs Perry: Japanese embroidery.
 Pharmacy Board of New Zealand: Collection of articles and fittings from an early pharmacy.

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- Miss Ruth Phillips: Uniform Auckland Rifle Volunteers and cartridge case, New Zealand medal.
- Miss E. M. le G. Pitcher: Prie dieu 19th Century; England.
- Master Keith Pollock: Stone adze; New Lynn.
- Miss Anna Cecily Poore: Sidesaddle.
- Mrs C. E. Poore: Windsor chair, brass water can, glass insect catcher, two glass pestles.
- Mr W. Poutapu: Flax kit, *Kiekie* kit; New Zealand.
- Dr A. W. B. Powell: Amber cigar holder, aerated water bottle.
- Mr F. Pugh: Aerated water bottle.
- Purchased: Two blue and white Oriental bowls, six pieces of pottery from Indonesia, seven pieces of Chinese jade, one silver Chinese purse, Chinese porcelain, Urbino plate, two studio pottery vases, bowl Longton Hall, Dragon robe, saucer Bristol porcelain, dish Wedgewood cream ware.
- Mrs A. T. Pycroft: Jet necklace.
- Mr L. T. J. Pycroft: Hummingbird nest; Kingston, Jamaica.
- Master Richard Quinn: Stone adze; Cockle Bay, Howick.
- Mrs Raleigh: Fan and hat; Samoa. Fan ornamented with feathers; Tokelau Islands.
- Mrs D. M. Rands: Blue-grey two piece dress.
- Mr C. H. Reed: Druid's commemorative medal; England.
- Sir Douglas Robb: Stone used for grinding *kokowai*; Bay of Islands.
- Mr M. Roberts: Side saddle, two sets hames, three stirrup irons, harness bridle, two bits.
- Misses A. C. and S. E. Robertson: Sjambok; South Africa.
- Mr and Mrs J. H. Rose: Large netted bag, small netted bag, cane mask; New Guinea.
- St. John Ambulance Brigade: Set of scales.
- Mrs F. Sandall: Collection of hand made lace: Europe. Two China dolls, dolls teaset, two cushion covers, two silk shawls, tartan sash, money belt, child's dress, baby's jacket, two sachels, needlework samples.
- Mrs A. Sands: Buttonhole scissors.
- Dr E. J. B. Simpson: Stone adze with poll lugs; Rarotonga.
- Mr F. Solomon: Toy horse and dray.
- South African Veterans Association: South African war relics.
- Mrs C. C. Spedding: Eight pieces bedroom linen, six pieces assorted lace.
- Mr J. Stapoole: Oleograph.
- Mrs G. Stephenson: Bamboo table, jardinier, girdle iron.
- Mrs G. M. Stephenson: Two pewter mugs.
- Miss K. Stewart: Beads for necklace, Heliopolis.
- Mrs Tongia Tama: Fan, headband, small basket, large kit; Niue.
- Mrs J. N. Tattersfield: Embroidered smoking cap, gentleman's waistcoat, two muslin caps.
- Mrs P. Tattersfield: Gentleman's top hat in original cardboard box, frock coat, waistcoat, corduroy trousers, bowler hat.
- Mr N. R. W. Thomas: Curtain hooks.
- Mr Graham Thompson: Photograph album, camera and accessories, set skilly balls and game.
- Mr Peter Thompson: Five drill points, obsidian flake with retouch; Mount Maunganui Beach.
- Mrs W. J. Thompson: Moustache cup and saucer, wooden bottle opener.
- Mr W. Laird Thomson: Silver entree dish.
- Mr A. P. Tonkin: Greenstone adze; New Zealand.
- Miss E. Tunks: Tin spice box, two trivets, pin in container with Milne & Choyce label, spectacles in case, three Auckland tramways tickets, box of visiting cards, collection of sachets, needlework tools, metal framed purse, two tin match boxes, cream satin wedding dress and veil, collection of clothing, feather boa, plate of fur.

- Mr T. Twiss: Pin fire 12 gauge shotgun, ammunition display board, game bag.
- Mr B. Twohill: Advertisement for Ushers Whisky, advertisement for aerated waters.
- Mr D. A. Urquhart: Four one hundred foot reels of 16 mm movie film of waders.
- Miss Vaughan: Japanese jacket and skirt, Japanese panel, ivory fan, nail guard, collection of Japanese prints, four pieces of pottery, Chinese skirt.
- Mr Young: Box of kauri gum.
- Mr Stephen Walsh: Slingstone (*Maka*); Niue.
- Family of the late Mr F. H. Warren: Fine, long, ceremonial stone adze; Fiji.
- Mrs Warwick: Longcase clock (1760).
- Mrs M. Watson: Two infants frocks.
- Mrs J. White: Silver teapot, lady's gold watch on human hair chain, gilt necklace, seal, portraits of Mr and Mrs Hutchison.
- Mr R. White: Double-barrelled gun in case, ramrod and cleaning equipment, two shot pouches.
- Mrs Whyman: Stone water bottle, riding switch, early tin opener.
- Mrs L. K. Whyte: Seven pieces of silver, 1766 to 1842; England.
- W. D. & H. O. Wills (N.Z.) Ltd: Three plugs of Havelock tobacco.
- Mr E. Wilton: Two uniform coats, two caps.
- Mrs Winks: Black bearskin muff.
- Winsor & Newton: Watercolour painting cabinet.
- Miss A. Wiseman: Stone jar, riding crop and brush.
- Miss O. Wynn-Williams: Two boxed fans, banner screen, book "Moliere", brass fire tongs, gaiters, ebony ruler, ink bottle, inkstand.
- Mrs Young: Box of kauri gum collected by Mr C. H. Wedding.
- Storm-driven, accidentally killed and caged birds: Mr J. Barrett, Miss S. Blanchard, Mr A. G. Booth, Miss Marlene Bolders, Mr S. G. Brooker, Mr J. W. Brown, Mrs E. J. Burrow, Mr A. Claire, Mr S. Clough, Mr L. Coup, Mr R. Cowan, Mr P. Cullimore, Mr Devitte, Mr P. Devlin, Mr L. W. Dudding, Mr A. Green, Mr R. S. Gough, Mr P. L. Gumwood, Mr E. R. Hall, Mr E. V. Houcher, Mr B. Hunt, Mr I. R. Kingsford, Mr John Mazey, Mr McDonald, Mr G. J. H. Moon, Mrs Outram, Pukekawa School, Mrs M. E. Philburn, Mr D. Porteous, Mr J. Preston, Mrs Randall, Mr K. Richardson, Mrs R. Roberts, Mr E. K. Saul, Mr R. Scobie, Mr R. B. Sibson, Mrs L. J. Smith, Miss P. Sommerville, Miss R. Stephenson, Mr W. E. Wagener, Mr M. Waller, Mr S. A. Woodcock.

AUCKLAND INSTITUTE AND MUSEUM

INCOME AND EXPENDITURE ACCOUNT for the Year Ended 31st March, 1967

EXPENDITURE			INCOME		
	1967 £	1966 £		1967 £	1966 £
Salaries and Wages	41,949	37,015	Contributions from Local Authorities—		
Special Grant	—	536	Metropolitan and Provincial Statutory	52,402	42,576
Superannuation	2,177	2,080	Provincial voluntary	2,252	2,350
	44,126	39,631		54,654	44,926
Administration Expenses—			Subscriptions—		
Audit Fee	111	99	Life Members'	252	173
Cleaning materials and laundry	507	622	Annual	1,805	1,735
Councillors' Travelling	96	50		2,057	1,908
Freight and Cartage	115	28			
General	711	530	Interest on Trusts	741	850
Heating, Lighting and Water	1,414	1,315	Interest on General Endowments	782	1,269
Insurance	268	289	Interest on Local Authority Stock	956	
Postages, Telephones, Intercomm.	846	815	Interest, variable rate deposit, Bank of		
Printing and Stationery	781	791	New Zealand	1,058	656
Staff Removal	—	244	Rent and Interest, Receiver of Land		
Travelling	482	176	Revenue	14	13
	5,331	4,959		3,551	2,788
Preservation and Display—			Recovery of Expenditure from—		
Preservation materials	112	—	Auckland Savings Bank Grant	—	743
Preparation and taxidermy	224	—	Sir John Logan Campbell Trust	—	185
	336	—	Building Maintenance Provision	—	1,564
Cinematography — B. Wilson,			Nuffield Grant	838	—
Endowment	—	23	H. G. Atkinson Research Endowment	14	—
Photography	138	24	Cheeseman Pond Prize	15	—
— B. Wilson, Endowment	—	53	Sir Carrick Robertson, Research		
Extension Service	491	462	Endowment	14	—
Depreciation " Motor Vehicle	—	—		881	2,492
Biological Survey, North Auck.	838	—	Planetaryium	497	598
Field Expenses	28	34	Sales—		
Special Exhibitions	531	440	Information Desk	1,022	316
	2,276	1,036	Publications	17	370
Institute—				1,039	686
Expenses	720	554			
Subscriptions written off	123	145			
	843	699			
Commemoration Prize	15	—			

Repairs and Maintenance—

Building	2,589		
" transferred to Building Maint. Provision	1,411	4,000	5,771
Electrical Fittings	881		
Less recovery from grant	440		185
		441	
Equipment and General		235	129
Showcases and Furniture		173	48
Specimens		110	126
		4,959	6,259
Coffee Lounge, net loss		859	
Unauthorised Expenditure —			
Entertainment, etc.		70	144
Balance transferred to Appropriation Account		5,749	1,588
		£64,564	£54,316

Donations—

Contribution Box	561		474
Special	1,268		388
		1,829	862
Guide Fees	29		37
Miscellaneous	27		19
		56	56
		£64,564	£54,316

STATEMENT OF TRUSTS; SPECIFIC AND GENERAL ENDOWMENTS; RESERVES, GIFTS, GRANTS AND PROVISIONS

DESCRIPTION	Capital Balance 1/4/66	Income Balance 1/4/66		Interest	Other Receipts	Total Income	Payments	Detail	Income Balance 31/3/67		Capital Balance 31/3/67	Total Balance
		Dr.	Cr.						Dr.	Cr.		
TRUSTS												
Accumulating Endowment	689 1 3			36 3 6		36 3 6					725 4 9	725 4 9
H. G. Atkinson—Research	739 4 10	105 2 1		38 16 3		143 18 4	14 0 0	I & E A/c	129 18 4		739 4 10	869 3 2
L. J. Ayre—Philately	888 19 2	52 11 8		46 13 4		99 5 0	99 5 0	Appn A/c	— — —		888 19 2	888 19 2
J. C. Entrican—Numismatics	1,000 0 0	183 7 2		52 10 0		235 17 2			235 17 2	1,000 0 0		1,235 17 2
Mackechnie—Library	2,000 0 0	30 0 9		105 0 0		135 0 9			135 0 9	2,000 0 0		2,135 0 9
Janet McLennan—School Service	1,000 0 0	35 0 0		52 10 0		87 10 0			87 10 0	1,000 0 0		1,087 10 0
Mitchelson Prize	100 0 0	30 8 1		5 5 0		35 13 1			35 13 1	100 0 0		135 13 1
Museum Endowment	14,116 4 5			741 2 0		741 2 0	741 2 0	I & E A/c			14,116 4 5	14,116 4 5
Pond Cheeseman Bequest—												
Commemoration Prize	145 0 0	32 17 3		7 12 3		40 9 6	15 0 6	I & E A/c	25 9 0		145 0 0	170 9 0
Sir Carrick Robertson—Research	600 0 0	119 17 10		31 10 0		151 7 10	14 0 0	I & E A/c	137 7 10		600 0 0	737 7 10
Edward Earle Vaile—												
Ethnology, Library	121,041 0 0	2,573 18 0	3,397 10 9		5,924 0 10							
					495 13 6	12,392 3 1					121,537 13 6	126,258 12 9
Bertha Wilson—Cinematography	2,000 0 0	484 2 1	105 0 0			589 2 1	7,174 10 4	Vaile A/c	4,720 19 3		2,000 0 0	2,589 2 1
Bertha Wilson—Photography	1,000 0 0	— — —	52 10 0			52 10 0			589 2 1		1,000 0 0	1,052 10 0
									52 10 0			
	145,319 9 8	3,647 4 11	4,672 3 1	6,420 14 4	14,740 2 4	8,057 17 10			6,149 7 6		145,852 6 8	152,001 14 2

GENERAL ENDOWMENTS												
Buddle Bequest	880 0 0					880 0 0	Appn A/c					
Campbell Bequest	1,000 0 0					1,000 0 0	Appn A/c					
Costley Bequest	7,700 0 0	385 0 0			385 0 0	385 0 0	I & E A/c	7,700 0 0		7,700 0 0		
Donald Bequest			500 0 0		500 0 0	500 0 0	Appn A/c					
Fraser Bequest	2,618 12 3					2,618 12 3	Appn A/c					
Goldie Bequest	1,000 0 0					1,000 0 0	Appn A/c					
Gore-Adams Bequest	100 0 0					100 0 0	Appn A/c					
Hanson Bequest	2,255 10 7					2,255 10 7	Appn A/c					
Harding Bequest	500 0 0					500 0 0	Appn A/c					
Herries Bequest	1,000 0 0					1,000 0 0	Appn A/c					
Houghton Bequest	1,451 10 10	35 17 5			35 17 5	35 17 5	I & E A/c					
King Bequest	200 0 0		955 6 5		955 6 5	1,155 6 5	Appn A/c					
Life Members' Subscriptions	7,227 6 5	361 7 4	252 0 0		613 7 4	361 7 4	I & E A/c	7,479 6 5		7,479 6 5		
Lunn Bequest	25 0 0					25 0 0	Appn A/c					
Miss Josephine McClymont	200 0 0					200 0 0	Appn A/c					
J. A. Marshall	550 0 0					550 0 0	Appn A/c					
Mitchell Bequest	25 0 0					25 0 0	Appn A/c					
Mitchelson Bequest	1,000 0 0					1,000 0 0	Appn A/c					
Nathan Bequest	100 0 0					100 0 0	Appn A/c					
Sarah Powley Bequest	171 1 5					171 1 5	Appn A/c					
Shaw Bequest	1,000 0 0					1,000 0 0	Appn A/c					
	29,004 1 6		782 4 9	1,707 6 5	2,489 11 2	15,595 11 6			15,897 1 2		15,897 1 2	
RESERVES, GIFTS, GRANTS AND PROVISIONS												
Auckland Savings Bank—Exhibition Halls, Entomology Dept. Building Maintenance	1,377 17 7 4,334 3 1	26 12 3 243 6 11	1,000 0 0 2,618 12 3	1,026 12 3	1,779 4 0	Appn A/c Appn A/c		625 5 10		625 5 10		
Sir John Logan Campbell Trust—Exhibition Halls	8,134 17 8	159 10 7	1,411 9 4	4,273 8 6		I & E A/c		8,607 11 7		8,607 11 7		
Clinch—Photographic Equipment	650 17 0	22 15 6		22 15 6	3,136 1 10	Appn A/c		4,717 16 5		4,717 16 5		
Cocker—Showcase	103 10 0	3 12 5		3 12 5	184 12 6			489 0 0		489 0 0		
Depreciation of Investments	477 1 1	16 13 10		16 13 10				107 2 5		107 2 5		
" " Motor Vehicle	1,651 11 10	43 8 4	250 0 0	293 8 4	1,695 0 2	Appn A/c		493 14 11		493 14 11		
" " Coffee Lngz. Equip., etc.			238 18 9	238 18 9		CL A/c		250 0 0		250 0 0		
Educational Publications	1,289 11 1	45 2 7		45 2 7				238 18 9		238 18 9		
Ellis—Ethnographical Specimens	104 10 0	3 12 5		3 12 5				1,334 13 8		1,334 13 8		
Horton—Geology	119 13 7	4 3 9		4 3 9				107 2 5		107 2 5		
Humphrey-Davies—Catalogues	671 1 6	21 7 8		21 7 8				123 17 4		123 17 4		
Leys—Ethnographical Specimens	1,035 0 0	36 4 6		36 4 6				632 9 2		632 9 2		
Memorial Halls	2,542 16 6	88 19 10	22 18 1	111 17 11				1,071 4 6		1,071 4 6		
Nuffield Grant			1,500 0 0	1,500 0 0	838 4 11	I & E A/c		2,654 14 5		2,654 14 5		
Oceanographic Grant	9 19 3	3 7 9		3 7 9				661 15 1		661 15 1		
Publications Reserve	5,437 6 6	190 6 0	17 8 6	207 14 6		I & E A/c		100 6 0		100 6 0		
Showcase for Whites China	11 7 9	9 4		9 4				5,645 0 11		5,645 0 11		
Special Visitors' Fund	258 15 0	9 1 1		9 1 1				13 17 1		13 17 1		
Specimen Purchase	1,077 4 5	37 14 0		37 14 0	512 18 8	Appn A/c		267 16 1		267 16 1		
Sword Purchase	5 3 2	3 7		3 7				601 19 9		601 19 9		
Vaile Obsolescence Fund	5,549 17 5	194 4 10	200 0 0	394 4 10		Vaile A/c		5 6 9		5 6 9		
	34,870 3 4		1,150 17 2	7,259 6 11	8,470 4 1	8,586 12 1		5,944 2 3		5,944 2 3		
								34,693 15 4		34,693 15 4		

EDWARD EARLE VAILE ENDOWMENT AND BEQUEST ACCOUNT
(a summary of this account is included in the Statement of Trusts)

	1967 £	1966 £		1967 £	1966 £
Capital Expenditure—			Rents Received—	5,924	5,811
Collections	120	1,317	Less Expenses—		
Equipment	129		Commission	380	295
Furniture and Fittings	140		Insurance	168	142
Library	2,209	3,362	Rates	1,155	688
	2,598	4,679	Repairs and Maintenance	1,301	1,282
Archaeology—				3,004	2,407
Salary and Wages	1,132		Net Rents	2,920	3,404
Superannuation	56		Interest—		
Travelling and Field Expense	179	166	Bank of New Zealand,		
Advertising		15	Variable Rate Deposit	2,614	
Sundry	1		Local Authority Stock	342	
	1,368	181	New Zealand Government		
Legal Fee	5		Inscribed Stock	238	
Transfer to Obsolescence Fund	200	200	Mortgage and Dividend	204	
Balance carried down	4,721	2,574		3,398	2,706
	£8,892	£7,634	Balance brought down	2,574	1,524
				£8,892	£7,634

APPROPRIATION ACCOUNT for the Year Ended 31st March, 1967

	1967 £	1966 £		1967 £	1966 £
Life Members Subscription Endowment	252	173	Balance as at 1st April	64	2,673
Capital Expenditure from Reserves	17,809	3,445	Balance from Income and Expenditure Account	5,749	1,588
Capital Expenditure from Revenue	5,834	3,576	Transfer from Auckland Savings Bank Grant	1,779	2,313
Capital Expenditure from Trusts	99	420	" " L. J. Ayre, Philately	99	44
Building Maintenance Provision	2,619	—	" " Sir John Logan Campbell Trust	3,136	899
Motor Vehicle Depreciation Provision	—	250	" " Cinch Bequest, Photography	185	—
Publications Reserve	17	371	" " J. C. Entrican, Numismatics	—	177
Edward Earle Vaile Endowment	497	—	" " E. E. Fraser Bequest	2,619	—
Balance carried down	359	64	" " General Endowments	12,196	—
			" " Mackechnie, Library	—	200
			" " Gordon Library	—	232
			" " Motor Vehicle Depreciation Provision	286	—
			" " Specimen Purchase Fund	513	—
			Profit from Sale of Investments	3	173
			" " " Motor Vehicle	360	—
			" " " Property	497	—
	£27,486	£8,299		£27,486	£8,299

AUCKLAND INSTITUTE AND MUSEUM

BALANCE SHEET AS AT 31st MARCH, 1967

LIABILITIES		1967	1966
		£	£
Current Liabilities—			
Sundry Creditors	4,610	1,685	
Subscriptions in Advance	23	35	
		4,633	1,720
Trusts, Endowments, Reserves, etc.			
Trusts—as per statement	152,002	148,957	
General Endowments "	15,897	29,004	
Gifts, Reserves, etc. "	34,694	34,870	
		202,593	212,841
Capital			
Balance 1st April	987,984	973,858	
Add Additions during year	26,339	14,126	
	1,014,323	987,984	
Add Balance Appropriation A/c.	359	64	
		1,014,682	988,048
		<u>£1,221,908</u>	<u>£1,202,609</u>
ASSETS		1967	1966
		£	£
Current Assets—			
Cash in Hand	71	51	
Cash, at Bank, Newmarket	1,340	1,283	
London	136	124	
Auckland Savings Bank	2,110	1,972	
Sundry Debtors	1,891	2,042	
Subscriptions in Arrear	107	122	
Stock and Stores on Hand	5,658	4,637	
Prepayments	260		
		11,573	10,231
Investments at Cost			
Auck. Savings Bank, Fixed Dep.	2,000	2,000	
Bank of N.Z., Variable Rate Dep.	8,200	14,000	
Bank of N.Z., Variable Rate Dep. No. 2 A/c.	71,800	70,464	
Australian Commonwealth Stock	1,971	1,971	
Local Authority Stock	49,542	51,151	
N.Z. Government Inscribed Stock	27,193	28,463	
Mortgages	950	1,350	
Properties	30,750	31,390	
Shares in Companies	3,605	3,605	
		196,011	204,394
Fixed Assets at Cost			
Building	698,578	687,949	
Collections	193,888	191,846	
Displays	768	644	
Equipment, Tools, etc.	8,707	4,700	
Furniture and Fittings	51,151	44,986	
Library	57,424	54,487	
Motor Vehicles	3,808	3,372	
		1,014,324	987,984
		<u>£1,221,908</u>	<u>£1,202,609</u>

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1966 to 1967

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